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<input type="checkbox"/>	L4	L1 AND L2 AND L3	1573
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☐ 1. Document ID: US 6008434 A

L7: Entry 1 of 108

File: USPT

Dec 28, 1999

US-PAT-NO: 6008434

DOCUMENT-IDENTIFIER: US 6008434 A

TITLE: Growth differentiation factor-11 transgenic mice

DATE-ISSUED: December 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Se-Jin	Baltimore	MD		
McPherron; Alexandra C.	Baltimore	MD		

US-CL-CURRENT: 800/18; 435/320.1, 435/325, 435/455, 435/463, 800/21, 800/22, 800/25

ABSTRACT:

A transgenic mouse whose genome comprises a disruption of the endogenous growth differentiation factor-11 (GDF-11) gene is disclosed. Also disclosed are methods for making such mice. The mice exhibit a phenotype of increased muscle tissue.

5 Claims, 13 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 2. Document ID: US 6004815 A

L7: Entry 2 of 108

File: USPT

Dec 21, 1999

US-PAT-NO: 6004815

DOCUMENT-IDENTIFIER: US 6004815 A

TITLE: Bacteria expressing nonsecreted cytolysin as intracellular microbial delivery vehicles to eukaryotic cells

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Portnoy; Daniel A.	Berkeley	CA		
Higgins; Darren E.	Berkeley	CA		

h e b b c g b cc e

US-CL-CURRENT: [435/454](#); [424/200.1](#), [435/252.3](#), [435/252.33](#), [435/325](#), [435/373](#)

ABSTRACT:

The invention provides methods and compositions relating to intracellular delivering of agents to eukaryotic cells. The compositions include microbial delivery vehicles such as nonvirulent bacteria comprising a first gene encoding a nonsecreted foreign cytolsin operably linked to a heterologous promoter and a second gene encoding a different foreign agent. The foreign agent may be a nucleic acid or protein, and is frequently bioactive in and therapeutic to the target eukaryote. In addition, the invention provides eukaryotic cells comprising the subject nonvirulent bacteria and nonhuman eukaryotic host organisms comprising such cells.

33 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc.
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☐ 3. Document ID: US 6004778 A

L7: Entry 3 of 108

File: USPT

Dec 21, 1999

US-PAT-NO: 6004778

DOCUMENT-IDENTIFIER: US 6004778 A

TITLE: Embryogenesis protein

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bandman; Olga	Mountain View	CA		
Lal; Preeti	Sunnyvale	CA		
Corley; Neil C.	Mountain View	CA		

US-CL-CURRENT: [435/69.1](#); [435/252.3](#), [435/254.11](#), [435/320.1](#), [435/325](#), [514/12](#), [530/350](#), [536/23.1](#), [536/23.5](#)

ABSTRACT:

The invention provides a human embryogenesis protein (EMPRO) and polynucleotides which identify and encode EMPRO. The invention also provides expression vectors, host cells, agonists, antibodies and antagonists. The invention also provides methods for treating disorders associated with expression of EMPRO.

11 Claims, 12 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc.
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☐ 4. Document ID: US 6001654 A

L7: Entry 4 of 108

File: USPT

Dec 14, 1999

US-PAT-NO: 6001654

DOCUMENT-IDENTIFIER: US 6001654 A

**** See image for Certificate of Correction ****

TITLE: Methods for differentiating neural stem cells to neurons or smooth muscle cells using TGT-.beta. super family growth factors

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Shah; Nirao M.	New York	NY		

US-CL-CURRENT: 435/377; 435/325, 435/352, 435/353, 435/368, 435/375

ABSTRACT:

Method for producing a population of mammalian neurons and/or smooth muscle cells comprising contacting at least one mammalian neural stem cell with a culture medium containing one or more growth factors from the TGF-.beta. super family and detecting the differentiation of stem cell to a population of neurons or smooth muscle cells.

22 Claims, 25 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 28

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RWC	Draw Des
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☐ 5. Document ID: US 6001594 A

L7: Entry 5 of 108

File: USPT

Dec 14, 1999

US-PAT-NO: 6001594

DOCUMENT-IDENTIFIER: US 6001594 A

**** See image for Certificate of Correction ****

TITLE: Human testin

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lal; Preeti	Santa Clara	CA		
Guegler; Karl J.	Menlo Park	CA		
Corley; Neil C.	Mountain View	CA		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/6, 530/350, 536/23.1, 536/23.5

ABSTRACT:

The invention provides a human testin (HTES) and polynucleotides which identify and encode HTES. The invention also provides expression vectors, host cells, antibodies,

h e b b cg b cc e

agonists, and antagonists. The invention also provides methods for treating or preventing disorders associated with expression of HTES.

11 Claims, 2 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc
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☐ 6. Document ID: US 6001575 A

L7: Entry 6 of 108

File: USPT

Dec 14, 1999

US-PAT-NO: 6001575
DOCUMENT-IDENTIFIER: US 6001575 A

TITLE: Therapeutic uses of grip and grip-related molecules

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huganir; Richard L.	Baltimore	MD		
Dong; Hualing	Baltimore	MD		

US-CL-CURRENT: 435/6; 435/253.2, 435/320.1, 435/325, 435/69.1, 530/300, 530/350,
536/23.1

ABSTRACT:

This invention features GRIP and GRIP-related molecules relating to a glutamate receptor. In one aspect, the invention provides methods for detecting expression, drug screening, and treatment of disorders involving GRIP or GRIP 2 such as neuronal and fertility disorders.

34 Claims, 75 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 76

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc
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☐ 7. Document ID: US 5994618 A

L7: Entry 7 of 108

File: USPT

Nov 30, 1999

US-PAT-NO: 5994618
DOCUMENT-IDENTIFIER: US 5994618 A

TITLE: Growth differentiation factor-8 transgenic mice

DATE-ISSUED: November 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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h e b b cg b cc e

25 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	KODC	Draw Des
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☐ 9. Document ID: US 5989866 A

L7: Entry 9 of 108

File: USPT

Nov 23, 1999

US-PAT-NO: 5989866
DOCUMENT-IDENTIFIER: US 5989866 A

TITLE: FGF homologs

DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deisher; Theresa A.	Seattle	WA		
Conklin; Darrell C.	Seattle	WA		
Raymond; Fenella	Seattle	WA		
Bukowski; Thomas R.	Seattle	WA		
Holderman; Susan D.	Kirkland	WA		
Hansen; Birgit	Seattle	WA		
Sheppard; Paul O.	Redmond	WA		

US-CL-CURRENT: 435/69.4; 435/243, 435/320.1, 435/325, 536/23.51

ABSTRACT:

The present invention relates to polynucleotide and polypeptide molecules for zFGF-5 a novel member of the FGF family. The polypeptides, and polynucleotides encoding them, are proliferative for muscle cells and may be used for remodelling cardiac tissue and improving cardiac function. The present invention also includes antibodies to the zFGF-5 polypeptides.

15 Claims, 3 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	KODC	Draw Des
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☐ 10. Document ID: US 5989822 A

L7: Entry 10 of 108

File: USPT

Nov 23, 1999

US-PAT-NO: 5989822
DOCUMENT-IDENTIFIER: US 5989822 A

TITLE: ATP synthase subunit homolog

DATE-ISSUED: November 23, 1999

h e b b cg b cc e

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tang; Y. Tom	San Jose	CA		
Corley; Neil C.	Mountain View	CA		
Guegler; Karl J.	Menlo Park	CA		
Baughn; Mariah R.	San Leandro	CA		

US-CL-CURRENT: 435/6; 435/183, 435/252.3, 435/320.1, 435/325, 536/23.1, 536/23.2, 536/23.5

ABSTRACT:

The invention provides a human ATP synthase subunit homolog (ASYNT) and polynucleotides which identify and encode ASYNT. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating or preventing disorders associated with expression of ASYNT.

9 Claims, 5 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KOMC	Draw Desc
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☐ 11. Document ID: US 5981263 A

L7: Entry 11 of 108

File: USPT

Nov 9, 1999

US-PAT-NO: 5981263

DOCUMENT-IDENTIFIER: US 5981263 A

TITLE: Human matrilin-3

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hillman; Jennifer L.	Mountain View	CA		
Lal; Preeti	Sunnyvale	CA		
Corley; Neil C.	Mountain View	CA		
Shah; Purvi	Sunnyvale	CA		
Kaser; Matthew	Castro Valley	CA		

US-CL-CURRENT: 435/252.3; 435/254.2, 435/320.1, 435/325, 435/69.1, 536/23.5, 536/24.31

ABSTRACT:

The invention provides a human matrilin-3 (MAT-3) and polynucleotides which identify and encode MAT-3. The invention also provides expression vectors, host cells, agonists, antibodies and antagonists. The invention also provides methods for treating disorders associated with expression of MAT-3.

8 Claims, 20 Drawing figures
Exemplary Claim Number: 1

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Number of Drawing Sheets: 18

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 12. Document ID: US 5981222 A

L7: Entry 12 of 108

File: USPT

Nov 9, 1999

US-PAT-NO: 5981222

DOCUMENT-IDENTIFIER: US 5981222 A

TITLE: Human semaphorin E, secreted proteins and polynucleotides encoding them

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jacobs; Kenneth	Newton	MA		
McCoy; John M.	Reading	MA		
LaVallie; Edward R.	Tewksbury	MA		
Racie; Lisa A.	Acton	MA		
Merberg; David	Acton	MA		
Treacy; Maurice	Chestnut Hill	MA		
Spaulding; Vikki	Billerica	MA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/254.11, 435/320.1, 435/325, 530/300, 530/350, 536/23.1, 536/23.5

ABSTRACT:

Novel polynucleotides and the proteins encoded thereby are disclosed.

18 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 13. Document ID: US 5976853 A

L7: Entry 13 of 108

File: USPT

Nov 2, 1999

US-PAT-NO: 5976853

DOCUMENT-IDENTIFIER: US 5976853 A

TITLE: Growth factor inducible serine/threonine phosphatase FIN13

DATE-ISSUED: November 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Guthridge; Mark A.	New York	NY		
Basilico; Claudio	New York	NY		

h e b b cg b cc e

US-CL-CURRENT: 435/196; 435/195, 435/235.1, 435/252.3, 435/252.33, 435/320.1,
435/325, 536/23.1, 536/23.2, 536/23.5

ABSTRACT:

A novel serine/threonine phosphatase, FIN13, which includes a collagen-homology domain, an acidic box domain, a catalytic domain, and a putative nuclear translocation sequence. The present invention further relates to the modulation of cellular proliferation, by regulating the activity of the novel serine/threonine phosphatase. Thus, the invention provides the phosphatase, nucleic acids encoding the phosphatase, oligonucleotides specific for such nucleic acids, antibodies to the phosphatase, and methods for increasing (or decreasing) the activity of the phosphatase to inhibit (or enhance) cellular proliferation and, thus, tissue growth. Various diagnostic and therapeutic aspects of the invention particularly relate to detection and treatment of hyperproliferative disorders, neoplasms, and tumors. In specific examples, FIN13 is expressed in proliferating cells, notably germ cells of the testes. Increased levels of expression of FIN13 in transfected cells results in a decrease in the cell growth rate.

16 Claims, 16 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Data	Reference		Claims	KWC	Draw Desc
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☐ 14. Document ID: US 5976852 A

L7: Entry 14 of 108

File: USPT

Nov 2, 1999

US-PAT-NO: 5976852

DOCUMENT-IDENTIFIER: US 5976852 A

TITLE: K.kappa./..mu.-like protein tyrosine phosphatase, PTP .lambda.

DATE-ISSUED: November 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cheng; Jill	Burlingame	CA		
Lasky; Laurence A.	Saulito	CA		

US-CL-CURRENT: 435/196; 435/252.3, 435/320.1, 435/325, 536/23.2

ABSTRACT:

This invention concerns novel receptor protein tyrosine phosphatase polypeptides. Specifically, this invention concerns the novel receptor protein tyrosine phosphatase .lambda. which is related to the homotypically adhering receptor protein tyrosine phosphatases .kappa. and .mu.. The invention further relates to analogs of these polypeptides in other mammals, functional derivatives thereof, antibodies which are capable of specifically binding to these polypeptides, nucleic acids encoding these polypeptides, vectors containing and capable of expressing such nucleic acid and recombinant host cells transformed with such nucleic acid. Methods for the recombinant production of these receptor protein tyrosine phosphatase polypeptides and assays for identifying agonists and antagonists of these polypeptides are also within the scope of the invention.

8 Claims, 9 Drawing figures

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Exemplary Claim Number: 1
Number of Drawing Sheets: 23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 15. Document ID: US 5969110 A

L7: Entry 15 of 108

File: USPT

Oct 19, 1999

US-PAT-NO: 5969110
DOCUMENT-IDENTIFIER: US 5969110 A

TITLE: Antibodies that bind hek ligands

DATE-ISSUED: October 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beckmann; M. Patricia	Poulsbo	WA		
Cerretti; Douglas P.	Seattle	WA		

US-CL-CURRENT: 530/387.9; 435/325, 435/326, 435/331, 435/335, 530/387.1, 530/388.1,
530/388.23, 530/389.1, 530/389.2

ABSTRACT:

Antibodies specific for a hek-L may be generated, using a hek-L polypeptide or fragment thereof as an immunogen. The antibodies may be monoclonal.

23 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 16. Document ID: US 5968770 A

L7: Entry 16 of 108

File: USPT

Oct 19, 1999

US-PAT-NO: 5968770
DOCUMENT-IDENTIFIER: US 5968770 A

**** See image for Certificate of Correction ****

TITLE: Compositions and methods for the treatment and diagnosis of cardiovascular disease using rchd523 as a target

DATE-ISSUED: October 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Falb; Dean A.	Wellesley	MA		
Gimbrone, Jr.; Michael A.	Jamaica Plain	MA		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/455, 435/6, 435/7.1, 514/44,

h e b b cg b cc e

536/23.1, 536/24.1, 536/24.3

ABSTRACT:

The present invention relates to methods and compositions for the treatment and diagnosis of cardiovascular disease, including, but not limited to, atherosclerosis, ischemia/reperfusion, hypertension, restenosis, and arterial inflammation. Specifically, the present invention identifies and describes genes which are differentially expressed in cardiovascular disease states, relative to their expression in normal, or non-cardiovascular disease states, and/or in response to manipulations relevant to cardiovascular disease. Further, the present invention identifies and describes genes via the ability of their gene products to interact with gene products involved in cardiovascular disease. Still further, the present invention provides methods for the identification and therapeutic use of compounds as treatments of cardiovascular disease. Moreover, the present invention provides methods for the diagnostic monitoring of patients undergoing clinical evaluation for the treatment of cardiovascular disease, and for monitoring the efficacy of compounds in clinical trials. Additionally, the present invention describes methods for the diagnostic evaluation and prognosis of various cardiovascular diseases, and for the identification of subjects exhibiting a predisposition to such conditions.

18 Claims, 40 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 40

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 17. Document ID: US 5965369 A

L7: Entry 17 of 108

File: USPT

Oct 12, 1999

US-PAT-NO: 5965369

DOCUMENT-IDENTIFIER: US 5965369 A

TITLE: Human succinyl-coenzyme a synthetase holoenzyme

DATE-ISSUED: October 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bandman; Olga	Mountain View	CA		
Lal; Preeti	Sunnyvale	CA		
Corley; Neil C.	Mountain View	CA		
Patterson; Chandra	Mountain View	CA		

US-CL-CURRENT: 435/6; 435/252.3, 435/320.1, 435/325, 536/23.2

ABSTRACT:

The invention provides human succinyl-CoA synthetase holoenzyme (SCSH) and polynucleotides which identify and encode SCSH. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating or preventing disorders associated with expression of SCSH.

10 Claims, 4 Drawing figures

Exemplary Claim Number: 1

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Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 18. Document ID: US 5962322 A

L7: Entry 18 of 108

File: USPT

Oct 5, 1999

US-PAT-NO: 5962322

DOCUMENT-IDENTIFIER: US 5962322 A

TITLE: Methods for modulation of cholesterol transport

DATE-ISSUED: October 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kozarsky; Karen	Philadelphia	PA		
Rigotti; Attilio	Malden	MA		
Krieger; Monty	Needham	MA		

US-CL-CURRENT: 435/375; 424/9.1, 424/9.2, 435/235.1, 435/320.1, 435/325, 435/361,
435/455, 435/456, 435/458, 435/471, 514/12, 514/144, 514/2, 536/23.5

ABSTRACT:

Methods for regulation of lipid and cholesterol uptake are described which are based on regulation of the expression or function of the SR-BI HDL receptor. The examples demonstrate that estrogen dramatically downregulates SR-BI under conditions of tremendous upregulation of the LDL-receptor. The examples also demonstrate the upregulation of SR-BI in rat adrenal membranes and other non-placental steroidogenic tissues from animals treated with estrogen, but not in other non-placental non-steroidogenic tissues, including lung, liver, and skin. Examples further demonstrate the uptake of fluorescently labeled HDL into the liver cells of animal, which does not occur when the animals are treated with estrogen. Examples also demonstrate the in vivo effects of SR-BI expression on HDL metabolism, in mice transiently overexpressing hepatic SR-BI following recombinant adenovirus infection. Overexpression of the SR-BI in the hepatic tissue caused a dramatic decrease in cholesterol blood levels. These results demonstrate that modulation of SR-BI levels, either directly or indirectly, can be used to modulate levels of cholesterol in the blood.

10 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 19. Document ID: US 5958731 A

L7: Entry 19 of 108

File: USPT

Sep 28, 1999

US-PAT-NO: 5958731

DOCUMENT-IDENTIFIER: US 5958731 A

**** See image for Certificate of Correction ****

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TITLE: Cell junction PDZ protein

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yue; Henry	Sunnyvale	CA		
Au-Young; Janice	Berkeley	CA		
Patterson; Chandra	Mountain View	CA		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 530/350, 536/23.1, 536/23.5

ABSTRACT:

The invention provides a human cell junction PDZ protein (CJPDZ) and polynucleotides which identify and encode CJPDZ. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating, or preventing disorders associated with expression of CJPDZ.

9 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNOC	Draw. Des.
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☐ 20. Document ID: US 5955595 A

L7: Entry 20 of 108

File: USPT

Sep 21, 1999

US-PAT-NO: 5955595

DOCUMENT-IDENTIFIER: US 5955595 A

TITLE: Cell death regulators

DATE-ISSUED: September 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Korsmeyer; Stanley J.	St. Louis	MO		

US-CL-CURRENT: 536/23.5; 435/252.3, 435/254.11, 435/320.1, 435/325, 536/24.3, 536/24.31

ABSTRACT:

A Bcl-2 associated protein (Bax) and uses thereof.

6 Claims, 42 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 25

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNOC	Draw. Des.
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☐ 21. Document ID: US 5952479 A

L7: Entry 21 of 108

File: USPT

Sep 14, 1999

US-PAT-NO: 5952479

DOCUMENT-IDENTIFIER: US 5952479 A

TITLE: Human arsenite-resistance protein

DATE-ISSUED: September 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hillman; Jennifer L.	Mountain View	CA		
Corley; Neil C.	Mountain View	CA		
Patterson; Chandra	Mountain View	CA		

US-CL-CURRENT: 536/23.1; 435/252.3, 435/320.1, 435/325, 435/69.1

ABSTRACT:

The invention provides a human arsenite-resistance protein (NITE) and polynucleotides which identify and encode NITE. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating or preventing disorders associated with expression of NITE.

9 Claims, 6 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 22. Document ID: US 5952223 A

L7: Entry 22 of 108

File: USPT

Sep 14, 1999

US-PAT-NO: 5952223

DOCUMENT-IDENTIFIER: US 5952223 A

TITLE: Compositions for the diagnosis and treatment of Chediak-Higashi syndrome

DATE-ISSUED: September 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kaplan; Jerry	Salt Lake City	UT		
Perou; Charles M.	Salt Lake City	UT		
Moore; Karen J.	Maynard	MA		

US-CL-CURRENT: 435/325; 435/320.1, 435/6, 536/23.5

ABSTRACT:

The present invention relates to the identification of novel nucleic acid molecules and proteins encoded by such nucleic acid molecules or degenerate variants thereof,

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that participate in the differentiation and/or function of intracellular vesicles. The nucleic acid molecules of the present invention represent the genes corresponding to the mammalian bg gene, a gene that, when mutated, is responsible for the human Chediak-Higashi syndrome.

20 Claims, 15 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 91

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 23. Document ID: US 5945577 A

L7: Entry 23 of 108

File: USPT

Aug 31, 1999

US-PAT-NO: 5945577

DOCUMENT-IDENTIFIER: US 5945577 A

TITLE: Cloning using donor nuclei from proliferating somatic cells

DATE-ISSUED: August 31, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stice; Steven L.	Belchertown	MA		
Cibelli; Jose	Amherst	MA		
Robl; James	Belchertown	MA		
Golueke; Paul	Belchertown	MA		
Ponce de Leon; F. Abel	Amherst	MA		
Jerry; D. Joseph	Shutesbury	MA		

US-CL-CURRENT: 800/24; 435/325, 800/14, 800/15, 800/16, 800/17

ABSTRACT:

An improved method of nuclear transfer involving the transplantation of donor differentiated cell nuclei into enucleated oocytes of the same species as the donor cell is provided. The resultant nuclear transfer units are useful for multiplication of genotypes and transgenic genotypes by the production of fetuses and offspring, and for production of isogenic CICM cells, including human isogenic embryonic or stem cells. Production of genetically engineered or transgenic mammalian embryos, fetuses and offspring is facilitated by the present method since the differentiated cell source of the donor nuclei can be genetically modified and clonally propagated.

24 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 24. Document ID: US 5945305 A

L7: Entry 24 of 108

File: USPT

Aug 31, 1999

US-PAT-NO: 5945305

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DOCUMENT-IDENTIFIER: US 5945305 A

TITLE: Nucleic acid encoding congenital heart disease protein and products related thereto

DATE-ISSUED: August 31, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Korenberg; Julie R.	Los Angeles	CA		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/354, 435/366, 435/440, 536/23.1, 536/23.5, 536/24.3, 536/24.31

ABSTRACT:

In accordance with the present invention, there are provided novel Congenital Heart Disease (CHD) proteins. Nucleic acid sequences encoding such proteins and assays employing same are also disclosed. The invention CHD proteins can be employed in a variety of ways, for example, for the production of anti-CHD antibodies thereto, in therapeutic compositions and methods employing such proteins and/or antibodies.

24 Claims, 1 Drawing figures

Exemplary Claim Number: 2

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 25. Document ID: US 5942437 A

L7: Entry 25 of 108

File: USPT

Aug 24, 1999

US-PAT-NO: 5942437

DOCUMENT-IDENTIFIER: US 5942437 A

TITLE: Method and media for enhancing viability maturation, and cryopreservation of cells

DATE-ISSUED: August 24, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sanberg; Paul R.	Spring Hill	FL		
Othberg; Agneta	Tampa	FL		
Cameron; Don F.	Lutz	FL		
Saporta; Samuel	Tampa	FL		
Borlongan; Cesario V.	Silver Springs	MD		

US-CL-CURRENT: 435/374; 424/93.7, 435/1.3, 435/325, 435/347

ABSTRACT:

A method to increase viability, number, survival and maturation of cells for transplantation or cryopreservation by culturing the cells with Sertoli cells or with sertoli-cell conditioned media (SCM) prior to transplantation (pre-culturing) or

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cryopreservation.

5 Claims, 22 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 26. Document ID: US 5942435 A

L7: Entry 26 of 108

File: USPT

Aug 24, 1999

US-PAT-NO: 5942435

DOCUMENT-IDENTIFIER: US 5942435 A

**** See image for Certificate of Correction ****

TITLE: Transgenic swine compositions and methods

DATE-ISSUED: August 24, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wheeler; Matthew B.	Tolono	IL		

US-CL-CURRENT: 435/325; 435/378, 800/24

ABSTRACT:

Transgenic swine, and compositions and methods for making and using same, are provided. Central to the invention are porcine (*Sus scrofa*) embryonic stem cell lines and methods for establishing them. Cells of such lines are transformed with exogenous genetic material of interest and then used to provide chimeric swine, which have germ cells comprising the exogenous genetic material. The chimeric swine are bred to provide transgenic swine. Transgenic swine of the invention can be used to provide human proteins or peptide hormones or can be used as xenograft donors.

13 Claims, 5 Drawing figures

Exemplary Claim Number: 1,4

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 27. Document ID: US 5939321 A

L7: Entry 27 of 108

File: USPT

Aug 17, 1999

US-PAT-NO: 5939321

DOCUMENT-IDENTIFIER: US 5939321 A

**** See image for Certificate of Correction ****

TITLE: Mammalian tolloid-like gene and protein

DATE-ISSUED: August 17, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Greenspan; Daniel S.	Madison	WI		
Takahara; Kazuhiko	Madison	WI		
Hoffman; Guy G.	Madison	WI		

US-CL-CURRENT: 435/325; 424/93.21, 435/320.1, 435/455, 435/69.1, 514/44, 536/23.1

ABSTRACT:

A mammalian gene encoding a tolloid-like protein distinct from human or murine BMP-1/mTld is presented. The gene is similar in structure to members of the BMP-1 family of genes, but maps to a distinct location and encodes a distinct protein. The protein encoded by the gene can be used to screen putative therapeutic agents in an ongoing effort to inhibit activity of the BMP-1 family of genes to prevent scarring, fibrosis, and the like.

18 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KNOC	Draw Des
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☐ 28. Document ID: US 5932716 A

L7: Entry 28 of 108

File: USPT

Aug 3, 1999

US-PAT-NO: 5932716

DOCUMENT-IDENTIFIER: US 5932716 A

TITLE: Morphogen-responsive regulatory elements

DATE-ISSUED: August 3, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sampath; Kuber T.	Medway	MA		

US-CL-CURRENT: 536/24.1; 435/325, 435/455, 435/69.1, 536/23.1

ABSTRACT:

Disclosed herein are methods and compositions for identifying morphogen analogs. Preferred methods rest on the use of test cells comprising DNA defining a morphogen-responsive transcription activating element operatively associated with a reporter gene. In certain embodiments, the methods involve an osteogenic protein 1 (OP-1) responsive transcription activating element. Substances that activate the OP-1 responsive transcription activating element are considered herein likely to be useful for reproducing in vivo effects of morphogens such as OP-1.

5 Claims, 12 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KNOC	Draw Des
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☐ 29. Document ID: US 5932445 A

L7: Entry 29 of 108

File: USPT

Aug 3, 1999

US-PAT-NO: 5932445

DOCUMENT-IDENTIFIER: US 5932445 A

TITLE: Signal peptide-containing proteins

DATE-ISSUED: August 3, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lal; Preeti	Santa Clara	CA		
Au-Young; Janice	Berkeley	CA		
Reddy; Roopa	Sunnyvale	CA		
Murry; Lynn E.	Portola Valley	CA		
Mathur; Preete	Fremont	CA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/69.8, 536/23.5

ABSTRACT:

The invention provides signal peptide-containing proteins collectively designated SP, and polynucleotides which identify and encode these molecules. The invention also provides expression vectors, host cells, agonists, antibodies and antagonists. The invention further provides methods for diagnosing, treating, and preventing disorders associated with expression of signal peptide-containing proteins.

9 Claims, 6 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc
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☐ 30. Document ID: US 5932423 A

L7: Entry 30 of 108

File: USPT

Aug 3, 1999

US-PAT-NO: 5932423

DOCUMENT-IDENTIFIER: US 5932423 A

TITLE: Cyclic nucleotide phosphodiesterases

DATE-ISSUED: August 3, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Au-Young; Janice	Berkeley	CA		
Cocks; Benjamin G.	Palo Alto	CA		
Coleman; Roger	Mountain View	CA		
Seilhamer; Jeffrey J.	Los Altos Hills	CA		

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Fisher; Douglas A.

Groton

CT

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/348, 435/69.1, 536/23.2, 536/23.5

ABSTRACT:

The invention provides human cyclic nucleotide phosphodiesterases (PDE8) and polynucleotides which identify and encode PDE8. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for treating or preventing disorders associated with expression of PDE8.

11 Claims, 32 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Des
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☐ 31. Document ID: US 5928947 A

L7: Entry 31 of 108

File: USPT

Jul 27, 1999

US-PAT-NO: 5928947

DOCUMENT-IDENTIFIER: US 5928947 A

TITLE: Mammalian multipotent neural stem cells

DATE-ISSUED: July 27, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Stemple; Derek L.	Newton	MA		

US-CL-CURRENT: 435/455; 424/93.7, 435/325, 435/440, 435/69.1

ABSTRACT:

The invention includes mammalian multipotent neural stem cells and their progeny and methods for the isolation and clonal propagation of such cells. At the clonal level the stem cells are capable of self regeneration and asymmetrical division. Lineage restriction is demonstrated within developing clones which are sensitive to the local environment. The invention also includes such cells which are transfected with foreign nucleic acid, e.g., to produce an immortalized neural stem cell. The invention further includes transplantation assays which allow for the identification of mammalian multipotent neural stem cells from various tissues and methods for transplanting mammalian neural stem cells and/or neural or glial progenitors into mammals. A novel method for detecting antibodies to neural cell surface markers is disclosed as well as a monoclonal antibody to mouse LNGFR.

6 Claims, 20 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Des
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☐ 32. Document ID: US 5922601 A

L7: Entry 32 of 108

File: USPT

Jul 13, 1999

US-PAT-NO: 5922601

DOCUMENT-IDENTIFIER: US 5922601 A

TITLE: High efficiency gene trap selection of regulated genetic loci

DATE-ISSUED: July 13, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baetscher; Manfred	Winchester	MA		
Nir; Waan-Jeng	Reading	MA		

US-CL-CURRENT: 435/456; 435/320.1, 435/325, 435/4, 435/6, 536/23.1, 536/23.4, 536/24.1

ABSTRACT:

A gene trap construct for identification of genes whose activity is regulated upon a cellular transition event which comprises in downstream sequence (i) a cassette having a functional splice acceptor, a translation stop sequence and an internal ribosome entry site and (ii) a promoterless protein coding sequence encoding at least one polypeptide providing positive and negative selection traits. A method for identification of genes whose activity is regulated upon a cellular transition event by introducing the gene trap construct into a cell and observing expression of the positive and/or negative selection traits before and after the transition event.

31 Claims, 7 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 33. Document ID: US 5919449 A

L7: Entry 33 of 108

File: USPT

Jul 6, 1999

US-PAT-NO: 5919449

DOCUMENT-IDENTIFIER: US 5919449 A

TITLE: Porcine cardiomyocytes and their use in treatment of insufficient cardiac function

DATE-ISSUED: July 6, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dinsmore; Jonathan	Brookline	MA		

US-CL-CURRENT: 424/93.7; 424/569, 435/325

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ABSTRACT:

Porcine cardiomyocytes and methods for using the cardiomyocytes to treat disorders characterized by insufficient cardiac function are described. The porcine cardiomyocytes are preferably embryonic porcine cardiomyocytes. The porcine cardiomyocytes can be modified to be suitable for transplantation into a xenogeneic subject, such as a human. For example, the porcine cardiomyocytes can be modified such that an antigen (e.g., an MHC class I antigen) on the cardiomyocyte surface which is capable of stimulating an immune response against the cardiomyocytes in a xenogeneic subject is altered (e.g., by contact with an anti-MHC class I antibody, or a fragment or derivative thereof) to inhibit rejection of the cardiomyocyte when introduced into the subject. In one embodiment, the porcine cardiomyocytes are obtained from a pig which is essentially free from organisms or substances which are capable of transmitting infection or disease to the recipient subject. The porcine cardiomyocytes of the present invention can be used to treat disorders characterized by insufficient cardiac function, e.g., congestive heart failure, in a xenogeneic subject by administering the cardiomyocytes to the subject.

11 Claims, 3 Drawing figures

Exemplary Claim Number: 5

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc
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☐ 34. Document ID: US 5914268 A

L7: Entry 34 of 108

File: USPT

Jun 22, 1999

US-PAT-NO: 5914268

DOCUMENT-IDENTIFIER: US 5914268 A

**** See image for Certificate of Correction ****

TITLE: Embryonic cell populations and methods to isolate such populations

DATE-ISSUED: June 22, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keller; Gordon M.	Denver	CO		
Kennedy; Marion	Denver	CO		
Choi; Kyunghhee	Denver	CO		
Firpo; Meri T.	Denver	CO		

US-CL-CURRENT: 435/325; 424/93.1, 435/384, 435/386, 435/387

ABSTRACT:

The present invention relates to novel pluripotent embryonic cell populations derived from embryonic stem cell populations and methods to produce such pluripotent embryonic cell populations. Disclosed is an embryonic stem cell-derived pluripotent embryoid body cell population having one or more cells capable of developing into cells of hematopoietic and/or endothelial lineage. Also disclosed is an embryoid body cell population-derived mixed population of endothelial and erythroid cells. Also disclosed is an embryoid body cell population-derived embryonic blast cell population capable of developing into a variety of hematopoietic cell types. The invention is additionally directed to embryonic stem cell population-derived T and B cell populations. Methods to identify embryonic cell compounds are also disclosed for therapeutic and experimental use.

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32 Claims, 20 Drawing figures
Exemplary Claim Number: 16
Number of Drawing Sheets: 20

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Desc
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☐ 35. Document ID: US 5914261 A

L7: Entry 35 of 108

File: USPT

Jun 22, 1999

US-PAT-NO: 5914261
DOCUMENT-IDENTIFIER: US 5914261 A

TITLE: Family of MAP2 protein kinases

DATE-ISSUED: June 22, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boulton; Teri G.	Irving	TX		
Cobb; Melanie H.	Dallas	TX		
Yancopoulos; George D.	Elmhurst	NY		
Nye; Steven	New York	NY		
Panayotatos; Nikos	Orangeburg	NY		

US-CL-CURRENT: 435/243; 435/252.8, 435/254.2, 435/320.1, 435/325, 435/348, 435/91.1,
536/23.2, 536/23.5

ABSTRACT:

The present invention relates to a newly identified family of protein serine/threonine kinases which phosphorylate microtubule-associated protein 2 (MAP2). It is based, in part, on the cloning and characterization of novel MAP2 kinases designated extracellular signal-regulated kinase 1, 2, and 3 (ERK1, ERK2, ERK3) which are expressed in the central nervous system, and on the identification of another ERK family member, ERK4, with antisera. The present invention provides for recombinant nucleic acid molecules and proteins representing members of the MAP2 kinase family, and also for microorganisms, transgenic animals, and cell lines comprising recombinant MAP2 kinase molecules. In additional embodiments of the invention, the present invention provides for methods for assaying cellular factor activity, including, but not limited to, nerve growth factor activity, in which the activation of MAP2 kinase serves as an indicator of cellular factor activity. These methods may be extremely useful in screening compounds for the presence of a desired cellular factor activity. In specific embodiments, compounds which may be useful in the treatment of Alzheimer's disease, peripheral neuropathies, and diabetes may be identified using the methods of the invention.

11 Claims, 37 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 24

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Desc
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☐ 36. Document ID: US 5912122 A

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L7: Entry 36 of 108

File: USPT

Jun 15, 1999

US-PAT-NO: 5912122

DOCUMENT-IDENTIFIER: US 5912122 A

TITLE: Nucleic acids encoding and method for detecting nucleic acid encoding human metabotropic glutamate receptor subtype mGluR6

DATE-ISSUED: June 15, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Daggett; Lorrie P.	San Diego	CA		
Lu; Chin-Chun	San Diego	CA		

US-CL-CURRENT: 435/6; 435/325, 536/23.5, 536/24.31

ABSTRACT:

In accordance with the present invention, there are provided nucleic acids encoding human metabotropic glutamate receptor subtype mGluR6, and the proteins encoded thereby. In addition to being useful for the production of metabotropic glutamate receptor subtype mGluR6, nucleic acids of the invention are also useful as probes, thus enabling those skilled in the art, without undue experimentation, to identify and isolate related human receptor subunits. In addition to disclosing a novel metabotropic glutamate receptor subtype, mGluR6, the present invention also comprises methods for using the invention receptor subtype to identify and characterize compounds which affect the function of such receptor subtype, e.g., agonists, antagonists, and modulators of glutamate receptor function.

12 Claims, 1 Drawing figures
Exemplary Claim Number: 1,6,11
Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 37. Document ID: US 5895745 A

L7: Entry 37 of 108

File: USPT

Apr 20, 1999

US-PAT-NO: 5895745

DOCUMENT-IDENTIFIER: US 5895745 A

TITLE: Method of thawing cryopreserved cells

DATE-ISSUED: April 20, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chandler; Barbara A.	Lexington	MA		
Borland; Kermit M.	Shrewsbury	MA		
Cain; Shawn P.	North Chelmsford	MA		
Mullon; Claudy J-P.	Framingham	MA		

US-CL-CURRENT: 435/2; 435/325, 436/18

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ABSTRACT:

The invention features a method of processing cryopreserved cells by thawing and equilibrating the cells at warm temperatures (e.g., between 30.degree. C. and 43.degree. C). Either the cell suspension in the cryoprotective medium is thawed to a temperature between 35.degree. C. and 43.degree. C. or the cryoprotective medium is equilibrated with a culture medium at a temperature between 35.degree. C. and 43.degree. C., or both steps are carried out at the warm temperatures. By thawing and equilibrating the cryopreserved cells at warm temperatures, the viability, (especially after 3 hours of culture), and metabolic activity (i.e., diazepam metabolism) of the cells can be improved over traditional cold cell processing (i.e., at temperatures of between 2.degree. C. and 8.degree. C.).

10 Claims, 0 Drawing figures

Exemplary Claim Number: 1⁹

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 38. Document ID: US 5891714 A

L7: Entry 38 of 108

File: USPT

Apr 6, 1999

US-PAT-NO: 5891714

DOCUMENT-IDENTIFIER: US 5891714 A

**** See image for Certificate of Correction ****

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: April 6, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		
Shida; Miho	Barrington	IL		

US-CL-CURRENT: 435/320.1; 264/4.1, 424/450, 435/325, 435/455, 514/44, 536/23.1, 536/24.5, 558/166, 558/70, 564/15

ABSTRACT:

Cationic phospholipids and their use in treating pathogen-associated disease are disclosed. The class of phospholipids comprises the phosphotriester derivatives of phosphoglycerides and sphingolipids. Liposomes comprising one or more of the cationic phospholipids are effective in the lipofection of nuclidic acids and are therefore useful in methods of treating disease.

1 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 39. Document ID: US 5888816 A

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L7: Entry 39 of 108

File: USPT

Mar 30, 1999

US-PAT-NO: 5888816

DOCUMENT-IDENTIFIER: US 5888816 A

TITLE: Cell cultures of and cell culturing method for nontransformed pancreatic, thyroid, and parathyroid cells

DATE-ISSUED: March 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coon; Hayden G.	Gaithersburg	MD		
Ambesi-Impiombato; Francesco Saverio	Tricesimo			IT
Curcio; Francesco	Pagnacco			IT

US-CL-CURRENT: 435/366; 435/325, 435/378, 435/382, 435/383, 435/391, 435/392, 435/404, 435/408

ABSTRACT:

The present invention provides a method for producing an expanded, enriched, non-transformed human cell culture of human pancreatic, thyroid or parathyroid endocrine cells and other types of cells which comprises (1) preparing partially purified, minced tissue that includes a desired type of cells; (2) concentrating the desired cells; (3) resuspending the concentrated cells in a growth medium which selects in favor of the desired cells and in which those cells are proliferated without being transformed and differentiated functions are retained through periodic passaging; (4) culturing the resuspended cells in the growth medium to effect sustained cell division; and (5) passaging the cultured cells periodically to expand the culture. The present invention further provides clonal strains of cells derived from the above-mentioned cell culture and procedures to form matrix-embedded aggregated and non-aggregated cells for providing pseudotissues and products such as matrix-embedded pancreatic islets (pseudoislets). Growth medium and conditioned medium is provided for the culturing of the cells and clonal strains, the growth medium comprising a suitable basal medium supplemented with effective concentrations of hypothalamus and pituitary extracts, serum and other ingredients, which growth medium selects in favor of desired human cells and against passenger cells including fibroblast, macrophage, and capillary endothelial cells such that the desired cells are selectively proliferated without being transformed and an expanded cell culture is provided of functionally differentiated, expanded, non-transformed human cells that is substantially free of such passenger cells.

34 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw Desc
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☐ 40. Document ID: US 5885797 A

L7: Entry 40 of 108

File: USPT

Mar 23, 1999

US-PAT-NO: 5885797

DOCUMENT-IDENTIFIER: US 5885797 A

TITLE: Polynucleotide sequences encoding proteins involved in myogenesis

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DATE-ISSUED: March 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chen; C. M. Amy	Brookline	MA		
Kraut; Norbert	Seattle	WA		
Groudine; Mark	Seattle	WA		
Weintraub, deceased; Harold	late of Seattle	WA		

US-CL-CURRENT: 435/69.1; 435/255.1, 435/320.1, 435/325, 536/23.5

ABSTRACT:

A novel gene, Inhibitor of MyoD Family (I-mf), is provided which encodes novel proteins, I-mfa, I-mfb and I-mfc, involved in regulation of myogenesis during vertebrate development. I-mf is highly expressed in the sclerotome of developing vertebrates and is postulated to play an important role in patterning of the somite and determination sclerotomal cell fate. A unique, C-terminal interactional domain of the I-mf protein mediates physical interactions between I-mfa and members of the MyoD family of transcriptional activators and functions to inhibit transactivation of muscle specific genes by MyoD family members, thereby repressing myogenesis. Further characterization of I-mf activity shows that I-mf associates with MyoD family member proteins and retains them in the cytoplasm by masking their nuclear localization signals. Based on the I-mf genes and proteins disclosed herein, a variety methods and compositions are provided for screening, isolating, and characterizing endogenous and exogenous factors, drugs and therapeutic agents useful to evaluate and/or control myogenesis normal and abnormal development and cell differentiation.

9 Claims, 1 Drawing figures

Exemplary Claim Number: 4

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	Knowl	Draw Des
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☐ 41. Document ID: US 5885576 A

L7: Entry 41 of 108

File: USPT

Mar 23, 1999

US-PAT-NO: 5885576

DOCUMENT-IDENTIFIER: US 5885576 A

TITLE: Vaccines and methods for preventing and treating fescue toxicosis in herbivores

DATE-ISSUED: March 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hill; Nicholas S.	Athens	GA		
Thompson, Jr.; Frederick N.	Athens	GA		
Stuedemann; John A.	Athens	GA		
Dawe; Donald L.	High Shoals	GA		

US-CL-CURRENT: 424/141.1; 424/130.1, 424/131.1, 424/184.1, 435/325, 435/326, 435/327, 435/346, 530/387.1, 530/387.2, 530/388.1, 530/389.1, 530/389.8

ABSTRACT:

The present invention provides an immunogenic compound comprising the formula:
##STR1## wherein X is selected from the group consisting of methyl and hydrogen;
wherein R.sub.1 is a suitable functional group of the lysergic ring;

wherein R.sub.2 is an immunogenic protein; and

wherein Y is a bridge to link R.sub.1 to R.sub.2.

The present invention also provides purified polyclonal and monoclonal antibodies specifically reactive with the immunogenic compound and reactive with the lysergic ring of ergopeptine and clavine alkaloids. The present invention further provides an antibody which is an anti-idiotypic of the monoclonal antibody. Also provided are methods of prevention and treatment of fescue toxicosis utilizing the immunogenic compounds and antibodies of the present invention.

5 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw Des
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☐ 42. Document ID: US 5882925 A

L7: Entry 42 of 108

File: USPT

Mar 16, 1999

US-PAT-NO: 5882925

DOCUMENT-IDENTIFIER: US 5882925 A

**** See image for Certificate of Correction ****

TITLE: Compositions and method for the treatment and diagnosis of cardiovascular disease using rchd502 as a target

DATE-ISSUED: March 16, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Falb; Dean A.	Wellesley	MA		

US-CL-CURRENT: 435/325; 435/320.1, 435/455, 435/6, 435/69.1, 536/23.1, 536/24.1, 536/24.3

ABSTRACT:

The present invention relates to methods and compositions for the treatment and diagnosis of cardiovascular disease, including, but not limited to, atherosclerosis, ischemia/reperfusion, hypertension, restenosis, and arterial inflammation. Specifically, the present invention identifies and describes genes which are differentially expressed in cardiovascular disease states, relative to their expression in normal, or non-cardiovascular disease states, and/or in response to manipulations relevant to cardiovascular disease. Further, the present invention identifies and describes genes via the ability of their gene products to interact with gene products involved in cardiovascular disease. Still further, the present invention provides methods for the identification and therapeutic use of compounds as treatments of cardiovascular disease. Moreover, the present invention provides methods for the diagnostic monitoring of patients undergoing clinical evaluation for the treatment of cardiovascular disease, and for monitoring the efficacy of compounds

in clinical trials. Additionally, the present invention describes methods for the diagnostic evaluation and prognosis of various cardiovascular diseases, and for the identification of subjects exhibiting a predisposition to such conditions.

22 Claims, 53 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 53

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc
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☐ 43. Document ID: US 5877016 A

L7: Entry 43 of 108

File: USPT

Mar 2, 1999

US-PAT-NO: 5877016

DOCUMENT-IDENTIFIER: US 5877016 A

TITLE: Human trk receptors and neurotrophic factor inhibitors

DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Presta; Leonard G.	San Francisco	CA		
Shelton; David L.	Pacifica	CA		
Urfer; Roman	Pacifica	CA		

US-CL-CURRENT: 435/325; 435/320.1, 435/69.1, 530/387.3, 530/388.22, 536/23.4

ABSTRACT:

The invention concerns human trkB and trkC receptors and their functional derivatives. The invention further concerns immunoadhesins comprising trk receptor sequences fused to immunoglobulin sequences.

18 Claims, 47 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 28

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc
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☐ 44. Document ID: US 5876996 A

L7: Entry 44 of 108

File: USPT

Mar 2, 1999

US-PAT-NO: 5876996

DOCUMENT-IDENTIFIER: US 5876996 A

TITLE: Human S-adenosyl-L-methionine methyltransferase

DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

h e b b cg b cc e

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bandman; Olga	Mountain View	CA		
Lal; Preeti	Sunnyvale	CA		
Corley; Neil C.	Mountain View	CA		
Shah; Purvi	Sunnyvale	CA		

US-CL-CURRENT: 435/193; 435/252.3, 435/254.11, 435/320.1, 435/325, 435/410, 536/23.2

ABSTRACT:

The invention provides a human S-adenosyl-L-methionine methyltransferase (SAM-MT) and polynucleotides which identify and encode SAM-MT. The invention also provides expression vectors, host cells, agonists, antibodies and antagonists. The invention also provides methods for treating disorders associated with expression of SAM-MT.

9 Claims, 9 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	ROC	Draw Des
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☐ 45. Document ID: US 5876972 A

L7: Entry 45 of 108

File: USPT

Mar 2, 1999

US-PAT-NO: 5876972

DOCUMENT-IDENTIFIER: US 5876972 A

TITLE: Nucleic acid molecules coding for tumor suppressor proteins and methods for their isolation

DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Spengler; Dietmar	Munich			DE
Journot; Laurent	Pignan			FR

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/410, 435/6, 536/23.5

ABSTRACT:

Described are novel proteins having the biological activity of a tumor suppressor protein and nucleic acid molecules coding for such proteins. Methods for the isolation of nucleic acid molecules encoding tumor suppressor proteins as well as nucleic acid molecules obtainable by said method are also provided. Further, vectors comprising said nucleic acid molecules wherein the nucleic acid molecules are operatively linked to regulatory elements allowing expression in prokaryotic or eukaryotic host cells can be used for the production of polypeptides encoded by said nucleic acid molecules which have tumor suppressor activity. Pharmaceutical and diagnostic compositions are provided comprising the nucleic acid molecules of the invention and/or comprising a nucleic acid molecule which is complementary to such a nucleic acid molecule. Described are also compositions which comprise polypeptides encoded by the described nucleic acid molecules which have tumor suppressor activity and/or an antibody specifically recognizing such polypeptides.

24 Claims, 37 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc
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☐ 46. Document ID: US 5874301 A

L7: Entry 46 of 108

File: USPT

Feb 23, 1999

US-PAT-NO: 5874301
DOCUMENT-IDENTIFIER: US 5874301 A

TITLE: Embryonic cell populations and methods to isolate such populations

DATE-ISSUED: February 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keller; Gordon M.	Denver	CO		
Hawley; Robert G.	Toronto			CA
Choi; Kyunghee	Baltimore	MD		

US-CL-CURRENT: 435/325; 435/354, 435/355, 435/385, 435/386

ABSTRACT:

The present invention relates to novel immortalized precursor cell populations derived from embryonic stem cell populations and methods to produce such cell populations. Also disclosed is an assay to identify regulatory compounds capable of controlling cell growth for therapeutic and experimental use.

23 Claims, 25 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 24

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc
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☐ 47. Document ID: US 5874236 A

L7: Entry 47 of 108

File: USPT

Feb 23, 1999

US-PAT-NO: 5874236
DOCUMENT-IDENTIFIER: US 5874236 A

TITLE: DNA encoding human calcium channel .alpha.-.sub.1A, .beta..sub.1, .beta.-.sub.2, and .beta.-.sub.4 subunits, and assays using cells that express the subunits

DATE-ISSUED: February 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harpold; Michael M.	El Cajon	CA		

h e b b cg b cc e

Ellis; Steven B.	San Diego	CA
Williams; Mark E.	Carlsbad	CA
Feldman; Daniel H.	Gainesville	FL
McCue; Ann F.	La Mesa	CA
Brenner; Robert	Austin	TX

US-CL-CURRENT: 435/29; 435/254.11, 435/325, 435/4, 435/69.1, 514/44, 536/23.5

ABSTRACT:

Isolated DNA encoding each of human calcium channel .alpha..sub.1 -, .alpha..sub.2 -, .beta.-and .gamma.-subunits, including subunits that arise as splice variants of primary transcripts, is provided. Cells and vectors containing the DNA and methods for identifying compounds that modulate the activity of human calcium channels are also provided.

37 Claims, 0 Drawing figures
Exemplary Claim Number: 21,22

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNOC	Draw Dec
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☐ 48. Document ID: US 5872006 A

L7: Entry 48 of 108

File: USPT

Feb 16, 1999

US-PAT-NO: 5872006

DOCUMENT-IDENTIFIER: US 5872006 A

TITLE: Family of MAP2 protein kinases

DATE-ISSUED: February 16, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boulton; Teri G.	Irving	TX		
Cobb; Melanie H.	Dallas	TX		
Yancopoulos; George D.	Elmhurst	NY		
Nye; Steven	New York	NY		
Panayotatos; Nikos	Orangeburg	NY		

US-CL-CURRENT: 435/320.1; 435/194, 435/252.3, 435/254.2, 435/325, 435/375, 435/377, 435/69.1, 435/91.1, 536/23.2, 536/23.5

ABSTRACT:

The present invention relates to a newly identified family of protein serine/threonine kinases which phosphorylate microtubule-associated protein 2 (MAP2). It is based, in part, on the cloning and characterization of novel MAP2 kinases designated extracellular signal-regulated kinase 1, 2, and 3 (ERK1, ERK2, ERK3) which are expressed in the central nervous system, and on the identification of another ERK family member, ERK4, with antisera. The present invention provides for recombinant nucleic acid molecules and proteins representing members of the MAP2 kinase family, and also for microorganisms, transgenic animals, and cell lines comprising recombinant MAP2 kinase molecules. In additional embodiments of the invention, the present invention provides for methods for assaying cellular factor activity,

including, but not limited to, nerve growth factor activity, in which the activation of MAP2 kinase serves as an indicator of cellular factor activity. These methods may be extremely useful in screening compounds for the presence of a desired cellular factor activity. In specific embodiments, compounds which may be useful in the treatment of Alzheimer's disease, peripheral neuropathies, and diabetes may be identified using the methods of the invention.

18 Claims, 37 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 24

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Des
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☐ 49. Document ID: US 5869282 A

L7: Entry 49 of 108

File: USPT

Feb 9, 1999

US-PAT-NO: 5869282

DOCUMENT-IDENTIFIER: US 5869282 A

**** See image for Certificate of Correction ****

TITLE: Nucleotide and protein sequences of the serrate gene and methods based thereon

DATE-ISSUED: February 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ish-Horowicz; David	Oxford			GB2
Henrique; Domingos Manuel Pinto	Oxford			GB2
Lewis; Julian Hart	Oxford			GB2
Myat; Anna Mary	Oxford			GB2
Fleming; Robert J.	Rochester	NY		
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Mann; Robert S.	Hamden	CT		
Gray; Grace E.	New Haven	CT		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 530/300, 530/350, 536/23.1, 536/24.3

ABSTRACT:

The present invention relates to nucleotide sequences of Serrate genes, and amino acid sequences of their encoded proteins, as well as derivatives (e.g., fragments) and analogs thereof. In a specific embodiment, the Serrate protein is a human protein. The invention further relates to fragments (and derivatives and analogs thereof) of Serrate which comprise one or more domains of the Serrate protein, including but not limited to the intracellular domain, extracellular domain, DSL domain, cysteine rich domain, transmembrane region, membrane-associated region, or one or more EGF-like repeats of a Serrate protein, or any combination of the foregoing. Antibodies to Serrate, its derivatives and analogs, are additionally provided. Methods of production of the Serrate proteins, derivatives and analogs, e.g., by recombinant means, are also provided. Therapeutic and diagnostic methods and pharmaceutical compositions are provided. In specific examples, isolated Serrate genes, from Drosophila, chick, mouse, Xenopus and human, are provided.

109 Claims, 51 Drawing figures

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Exemplary Claim Number: 1
Number of Drawing Sheets: 36

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 50. Document ID: US 5869037 A

L7: Entry 50 of 108

File: USPT

Feb 9, 1999

US-PAT-NO: 5869037
DOCUMENT-IDENTIFIER: US 5869037 A

TITLE: Adenoviral-mediated gene transfer to adipocytes

DATE-ISSUED: February 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Crystal; Ronald G.	Potomac	MD		
Magovern; Christopher J.	New York	NY		

US-CL-CURRENT: 424/93.2; 424/93.21, 424/93.7, 435/320.1, 435/325, 435/456, 514/44

ABSTRACT:

The present invention provides for in vivo gene transfer to adipocytes mediated by adenovirus and, in particular, the in vivo transfer of toxic genes as a means of reducing adiposity, as well as the transfer of genes encoding angiogenic substances to induce new blood vessel growth. The present invention also provides for the in vivo gene transfer to adipocytes to supply a source of proteins to be used in the local milieu of the adipocyte tissue or to be secreted and used systemically. Further, the present invention provides for the transfer of the adipocytes to other sites within a host, following adenoviral-mediated transfer of genes to the adipocytes in vivo, to allow for the exploitation of the modified adipocytes as a transferable means for the production of protein.

10 Claims, 5 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 51. Document ID: US 5866318 A

L7: Entry 51 of 108

File: USPT

Feb 2, 1999

US-PAT-NO: 5866318
DOCUMENT-IDENTIFIER: US 5866318 A

TITLE: Inhibition of phospholipase A.sub.2 to reduce neuronal cell death

DATE-ISSUED: February 2, 1999

INVENTOR-INFORMATION:

h e b b cg b cc e

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rydel; Russell E.	Belmont	CA		
Dappen; Michael S.	San Bruno	CA		

US-CL-CURRENT: 435/4; 435/325, 435/375, 435/377, 435/6

ABSTRACT:

The invention is drawn to a method for identifying agents that inhibit neural degeneration by administering to cell populations consisting essentially of neurons or cells from neuronal cell lines, where these cells are exposed to an apoptotic stimulus other than APP gene products, an agent, where it is determined whether the agent inhibits neural degeneration.

12 Claims, 17 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 52. Document ID: US 5866098 A

L7: Entry 52 of 108

File: USPT

Feb 2, 1999

US-PAT-NO: 5866098

DOCUMENT-IDENTIFIER: US 5866098 A

TITLE: Assay for identifying extracellular signaling proteins

DATE-ISSUED: February 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lustig; Kevin D.	Cambridge	MA		
Kirschner; Marc W.	Newton	MA		

US-CL-CURRENT: 424/9.2; 424/9.1, 424/93.1, 424/93.2, 435/320.1, 435/325, 435/4, 435/455, 435/6, 435/69.1, 435/7.21, 435/7.4

ABSTRACT:

The present invention concerns a novel paracrine signaling assay.

8 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 53. Document ID: US 5861283 A

L7: Entry 53 of 108

File: USPT

Jan 19, 1999

US-PAT-NO: 5861283

DOCUMENT-IDENTIFIER: US 5861283 A

TITLE: DNA encoding a limbic system-associated membrane protein

DATE-ISSUED: January 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Levitt; Pat Ressler	Wyncote	PA		
Pimenta; Aurea	Princeton	NJ		
Fischer; Itzhak	Blue Bell	PA		
Zhukareva; Victoria	Philadelphia	PA		

US-CL-CURRENT: 435/69.4; 435/252.3, 435/320.1, 435/325, 536/23.1, 536/23.51, 536/24.1

ABSTRACT:

The present invention is directed to nucleic acid sequences encoding a limbic-system associated membrane protein ("LAMP") and to purified proteins with LAMP activity. LAMP is a self-binding, antibody-like cell surface adhesion protein, the presence of which on one neuron of the limbic system stimulates the formation of connections with adjacent neurons. The invention provides a nucleic acid sequence encoding a polypeptide with at least about 90% homology to a LAMP self-binding domain, and corresponding proteins. The invention also provides nucleic acids that hybridize to LAMP encoding nucleic acids.

16 Claims, 11 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw Des
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☐ 54. Document ID: US 5858708 A

L7: Entry 54 of 108

File: USPT

Jan 12, 1999

US-PAT-NO: 5858708

DOCUMENT-IDENTIFIER: US 5858708 A

TITLE: Polynucleotides encoding two novel human neuroendocrine-specific proteins

DATE-ISSUED: January 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bandman; Olga	Mountain View	CA	94043	
Au-Young; Janice	Berkeley	CA	94702	
Goli; Surya K.	Sunnyvale	CA	94086	
Hillman; Jennifer L.	San Jose	CA	95112	

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 536/23.1, 536/23.5

ABSTRACT:

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The present invention provides polynucleotides which identify and encode two novel human NSP-like proteins (NSPLP). The invention provides for genetically engineered expression vectors and host cells comprising the nucleic acid sequences encoding NSPLP. The invention also provides for the use of substantially purified NSPLP, antagonists, and in pharmaceutical compositions for the treatment of diseases associated with the expression of NSPLP. Additionally, the invention provides for the use of antisense molecules to NSPLP in pharmaceutical compositions for treatment of diseases associated with the expression of NSPLP. The invention also describes diagnostic assays which utilize diagnostic compositions comprising the polynucleotide, fragments or the complement thereof, which hybridize with the genomic sequence or the transcript of polynucleotides encoding NSPLP or anti-NSPLP antibodies which specifically bind to NSPLP.

12 Claims, 24 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 24

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 55. Document ID: US 5858642 A

L7: Entry 55 of 108

File: USPT

Jan 12, 1999

US-PAT-NO: 5858642

DOCUMENT-IDENTIFIER: US 5858642 A

TITLE: Closed system for processing cells

DATE-ISSUED: January 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cain; Shawn P.	North Chelmsford	MA		
Perlman; Timothy J.	Lexington	MA		
Deane; Deborah J.	Orange	MA		
Mullon; Claudy J-P.	Framingham	MA		

US-CL-CURRENT: 435/2; 435/1.1, 435/325

ABSTRACT:

The invention features a method of processing cells in a closed system that results in a suspension of cells in a transfer vessel containing a target number of cells. The number of cells in the closed vessel is determined from the cell concentration (i.e., the number of viable cells/mL) in the closed vessel and the total volume of the suspension in the closed vessel. The volume of the suspension in the closed vessel can be determined from the weight of the suspension and its density. In particular, the cells are preserved in a protective medium and are recovered substantially free of the protective medium in a closed vessel containing the known number of cells in a suspension.

14 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 56. Document ID: US 5856124 A

L7: Entry 56 of 108

File: USPT

Jan 5, 1999

US-PAT-NO: 5856124

DOCUMENT-IDENTIFIER: US 5856124 A

TITLE: DNA encoding high-affinity melatonin receptors

DATE-ISSUED: January 5, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reppert; Steven M.	Newton	MA		
Ebisawa; Takashi	Tokyo			JP

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 536/23.5

ABSTRACT:

Disclosed are cDNAs and DNAs encoding high-affinity melatonin 1a and 1b receptors and the recombinant polypeptides expressed from such cDNAs. The recombinant receptor polypeptides, receptor fragments and analogs expressed on the surface of cells are used in methods of screening candidate compounds for their ability to act as agonists or antagonists to the effects of interaction between melatonin and high-affinity melatonin receptor. Agonists are used as therapeutics to reentrain endogenous melatonin rhythms as a means of treating circadian rhythm disorders in humans and control reproductive cycles in seasonally breeding animals. Antagonists are used as therapeutics to control the initiation or timing of puberty in humans. Antibodies specific for a high-affinity melatonin receptor (or receptor fragment or analog) and their use as a therapeutic are also disclosed.

19 Claims, 42 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 34

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KOMC	Draw Des
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☐ 57. Document ID: US 5851824 A

L7: Entry 57 of 108

File: USPT

Dec 22, 1998

US-PAT-NO: 5851824

DOCUMENT-IDENTIFIER: US 5851824 A

**** See image for Certificate of Correction ****

TITLE: Human calcium channel .alpha.-1C/.alpha.-1D, .alpha.-2, .beta.-1, and .gamma.subunits and cells expressing the DNA

DATE-ISSUED: December 22, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harpold; Michael M.	San Diego	CA		
Ellis; Steven B.	San Diego	CA		

h e b b cg b cc e

Williams; Mark E.	Carlsbad	CA
Feldman; Daniel H.	San Diego	CA
McCue; Ann F.	La Mesa	CA
Brenner; Robert	Austin	TX

US-CL-CURRENT: 435/325; 435/254.11, 435/320.1, 435/356, 435/358, 435/364, 435/365,
435/370, 435/69.1, 536/23.5, 536/24.31

ABSTRACT:

Isolated DNA encoding each of human calcium channel .alpha..sub.1 -, .alpha..sub.2 -, .beta.- and .gamma.-subunits, including subunits that arise as splice variants of primary transcripts, is provided. Cells and vectors containing the DNA and methods for identifying compounds that modulate the activity of human calcium channels are also provided.

64 Claims, 4 Drawing figures
Exemplary Claim Number: 1,12,13
Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMAC	Draw Des
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☐ 58. Document ID: US 5849584 A

L7: Entry 58 of 108

File: USPT

Dec 15, 1998

US-PAT-NO: 5849584

DOCUMENT-IDENTIFIER: US 5849584 A

TITLE: Cell cultures of and cells culturing method for nontransformed parotid cells

DATE-ISSUED: December 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coon; Hayden G.	Gaithersburg	MD		
Ambesi-Impiombato; Francesco Saverio	Tricesimo			IT
Curcio; Francesco	Pagnacco			IT

US-CL-CURRENT: 435/366; 435/325, 435/378, 435/382, 435/383, 435/391

ABSTRACT:

The present invention provides a method for producing an expanded non-transformed cell culture comprising the steps of: (1) preparing partially purified, minced tissue; (2) concentrating the resulting cells and tissue pieces; (3) resuspending the concentrated tissue cells and pieces in a culture medium capable of supporting sustained cell division that is contained in a culture vessel; (4) incubating the cells; and (5) passaging the cells periodically. The present invention further provides clonal strains of cells derived from the above-mentioned cell culture, medium and conditioned medium designed for the culturing of parotid cells and other glandular cells such as pancreatic, thyroid, and parathyroid, and cells, and the use of cultured pancreatic cells to form pancreatic pseudotissues composed of matrix-embedded aggregated (pseudoislets) or individual cells, to treat blood sugar disorders in mammals, and to test for cytotoxicity and autoimmune activities with reference to pancreatic endocrine cells. The nontransformed cells are cultured in a

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growth medium comprising a suitable basal medium supplemented with effective concentrations of hypothalamus and pituitary extracts, and serum.

17 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KAMC	Draw Desc
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☐ 59. Document ID: US 5849578 A

L7: Entry 59 of 108

File: USPT

Dec 15, 1998

US-PAT-NO: 5849578

DOCUMENT-IDENTIFIER: US 5849578 A

**** See image for Certificate of Correction ****

TITLE: Compositions and methods for the treatment and diagnosis of cardiovascular using RCHD528 as a target

DATE-ISSUED: December 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Falb; Dean A.	Massachusetts	MA		

US-CL-CURRENT: 435/325; 435/320.1, 435/455, 435/6, 435/69.1, 536/23.1, 536/24.1, 536/24.3

ABSTRACT:

The present invention relates to methods and compositions for the treatment and diagnosis of cardiovascular disease, including, but not limited to, atherosclerosis, ischemia/reperfusion, hypertension, restenosis, and arterial inflammation. Specifically, the present invention identifies and describes genes which are differentially expressed in cardiovascular disease states, relative to their expression in normal, or non-cardiovascular disease states, and/or in response to manipulations relevant to cardiovascular disease. Further, the present invention identifies and describes genes via the ability of their gene products to interact with gene products involved in cardiovascular disease. Still further, the present invention provides methods for the identification and therapeutic use of compounds as treatments of cardiovascular disease. Moreover, the present invention provides methods for the diagnostic monitoring of patients undergoing clinical evaluation for the treatment of cardiovascular disease, and for monitoring the efficacy of compounds in clinical trials. Additionally, the present invention describes methods for the diagnostic evaluation and prognosis of various cardiovascular diseases, and for the identification of subjects exhibiting a predisposition to such conditions.

21 Claims, 53 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 53

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KAMC	Draw Desc
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☐ 60. Document ID: US 5849564 A

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L7: Entry 60 of 108

File: USPT

Dec 15, 1998

US-PAT-NO: 5849564

DOCUMENT-IDENTIFIER: US 5849564 A

TITLE: Polypeptides from Kaposi's sarcoma-associated herpesvirus, DNA encoding same and uses thereof

DATE-ISSUED: December 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chang; Yuan	New York	NY		
Bohenzky; Roy A.	Mountain View	CA		
Russo; James J.	New York	NY		
Edelman; Isidore S.	New York	NY		
Moore; Patrick S.	New York	NY		

US-CL-CURRENT: 435/252.3; 435/320.1, 435/325, 536/23.72, 536/24.32

ABSTRACT:

This invention provides an isolated nucleic acid molecule which encodes Kaposi's Sarcoma-Associated Herpesvirus (KSHV) polypeptides. This invention provides an isolated polypeptide molecule of KSHV. This invention provides an antibody specific to the polypeptide. Antisense and triplex oligonucleotide molecules are also provided. This invention provides a vaccine for Kaposi's Sarcoma (KS). This invention provides methods of vaccination, prophylaxis, diagnosis and treatment of a subject with KS and of detecting expression of a DNA virus associated with Kaposi's sarcoma in a cell.

12 Claims, 29 Drawing figures

Exemplary Claim Number: 1,6,7

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Keyword	Drawing Description
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☐ 61. Document ID: US 5849553 A

L7: Entry 61 of 108

File: USPT

Dec 15, 1998

US-PAT-NO: 5849553

DOCUMENT-IDENTIFIER: US 5849553 A

TITLE: Mammalian multipotent neural stem cells

DATE-ISSUED: December 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Stemple; Derek L.	Newton	MA		

US-CL-CURRENT: 435/467; 435/320.1, 435/325, 435/353, 435/368, 435/455, 435/462, 435/69.1

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ABSTRACT:

The invention includes mammalian multipotent neural stem cells and their progeny and methods for the isolation and clonal propagation of such cells. At the clonal level the stem cells are capable of self regeneration and asymmetrical division. Lineage restriction is demonstrated within developing clones which are sensitive to the local environment. The invention also includes such cells which are transfected with foreign nucleic acid, e.g., to produce an immortalized neural stem cell, and immortalized cell lines which are capable of subsequent disimmortalization. The invention further includes transplantation assays which allow for the identification of mammalian multipotent neural stem cells from various tissues and methods for transplanting mammalian neural stem cells and/or neural or glial progenitors into mammals. A novel method for detecting antibodies to neural cell surface markers is disclosed as well as a monoclonal antibody to mouse LNGFR.

25 Claims, 111 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw. Des.
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62. Document ID: US 5849528 A

L7: Entry 62 of 108

File: USPT

Dec 15, 1998

US-PAT-NO: 5849528

DOCUMENT-IDENTIFIER: US 5849528 A

TITLE: Polynucleotides encoding a human S100 protein

DATE-ISSUED: December 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hillman; Jennifer L.	Mountain View	CA		
Bandman; Olga	Mountain View	CA		
Corley; Neil C.	Mountain View	CA		
Lal; Preeti	Sunnyvale	CA		
Shah; Purvi	Sunnyvale	CA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/6, 530/350, 536/23.1, 536/23.5, 536/24.3, 536/24.31

ABSTRACT:

The invention provides two human S100 proteins designated individually as S100P1 and S100P2 and collectively as S100P, and polynucleotides which identify and encode S100P. The invention also provides expression vectors, host cells, agonists, antibodies and antagonists. The invention also provides methods for treating disorders associated with expression of S100P.

10 Claims, 13 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 13

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 63. Document ID: US 5846770 A

L7: Entry 63 of 108

File: USPT

Dec 8, 1998

US-PAT-NO: 5846770

DOCUMENT-IDENTIFIER: US 5846770 A

TITLE: DNA molecules encoding human chordin

DATE-ISSUED: December 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaVallie; Edward R.	Tewksbury	MA		
Racie; Lisa A.	Acton	MA		
DeRobertis; Edward M.	Pacific Palisades	CA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/69.7, 536/23.4, 536/23.5

ABSTRACT:

Purified chordin proteins and processes for producing them are disclosed. DNA molecules encoding the chordin proteins are also disclosed. The proteins may be used in the treatment of bone, cartilage, other connective tissue defects and disorders, including tendon, ligament and meniscus, in wound healing and related tissue repair, as well as for treatment of disorders and defects to tissues which include epidermis, nerve, muscle, including cardiac muscle, and other tissues and wounds, and organs such as liver, brain, lung, cardiac, pancreas and kidney tissue. The proteins may also be useful for the induction inhibition of growth and/or differentiation of undifferentiated embryonic and stem cells. The proteins may be complexed with other proteins, particularly members of the transforming growth factor-beta superfamily of proteins.

12 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 64. Document ID: US 5846757 A

L7: Entry 64 of 108

File: USPT

Dec 8, 1998

US-PAT-NO: 5846757

DOCUMENT-IDENTIFIER: US 5846757 A

TITLE: Human calcium channel .alpha..sub.1, .alpha..sub.2, and .beta. subunits and assays using them

DATE-ISSUED: December 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Harpold; Michael M.	El Cajon	CA
Ellis; Steven B.	San Diego	CA
Williams; Mark E.	Carlsbad	CA
Feldman; Daniel H.	Gainesville	FL
McCue; Ann F.	La Mesa	CA
Brenner; Robert	Austin	TX

US-CL-CURRENT: 435/29; 435/254.11, 435/325, 435/6, 435/69.1, 435/7.21, 514/2, 514/8, 530/350, 530/395

ABSTRACT:

Isolated DNA encoding each of human calcium channel .alpha..sub.1 -, .alpha..sub.2 -, .beta.- and .gamma.-subunits, including subunits that arise as splice variants of primary transcripts, is provided. Cells and vectors containing the DNA and methods for identifying compounds that modulate the activity of human calcium channels are also provided.

42 Claims, 0 Drawing figures
Exemplary Claim Number: 1,7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Keywords	Draw Des
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☐ 65. Document ID: US 5837538 A

L7: Entry 65 of 108

File: USPT

Nov 17, 1998

US-PAT-NO: 5837538

DOCUMENT-IDENTIFIER: US 5837538 A

**** See image for Certificate of Correction ****

TITLE: Patched genes and their use

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Scott; Matthew P	Stanford	CA		
Goodrich; Lisa V.	Palo Alto	CA		
Johnson; Ronald L.	Redwood City	CA		

US-CL-CURRENT: 435/325; 424/93.21, 435/320.1, 435/69.1, 435/91.2, 536/23.1, 536/23.5, 536/24.31

ABSTRACT:

Invertebrate and vertebrate patched genes are provided, including the mouse and human patched genes, as well as methods for isolation of related genes, where the genes may be of different species or in the same family. Having the ability to regulate the expression of the patched gene, allows for the elucidation of embryonic development, cellular regulation associated with signal transduction by the patched gene, the identification of agonist and antagonist to signal transduction, identification of ligands for binding to patched, isolation of the ligands, and assaying for levels of transcription and expression of the patched gene.

32 Claims, 1 Drawing figures
Exemplary Claim Number: 1,21
Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 66. Document ID: US 5837535 A

L7: Entry 66 of 108

File: USPT

Nov 17, 1998

US-PAT-NO: 5837535
DOCUMENT-IDENTIFIER: US 5837535 A

TITLE: Neuronal-neonatal gene: neuronatin

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Joseph; Rajiv	Birmingham	MI		
Dou; Dexian	Dearborn	MI		

US-CL-CURRENT: 435/325; 435/252.3, 435/320.1, 435/357, 435/368, 536/23.1, 536/24.1

ABSTRACT:

The present invention is an isolated and purified DNA sequence which encodes a vertebrate mRNA for a neuron specific protein, neuronatin. The mRNA is selectively expressed in brain tissue during rapid brain growth when there is a surge in neuronal proliferation and migration and is repressed in adult tissue. In the human, the genomic DNA is as set forth in SEQ ID No:6 and the cDNA has a nucleotide sequence as set forth in SEQ ID No:5, with the gene mapped to human chromosome 20q11.2-12. The deduced protein is a proteolipid that appears to have a role in ion channel regulation during brain development.

10 Claims, 14 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 67. Document ID: US 5837236 A

L7: Entry 67 of 108

File: USPT

Nov 17, 1998

US-PAT-NO: 5837236
DOCUMENT-IDENTIFIER: US 5837236 A

TITLE: Isolated porcine pancreatic cells for use in treatment of diseases characterized by insufficient insulin activity

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

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NAME	CITY	STATE	ZIP CODE	COUNTRY
Dinsmore; Jonathan	Brookline	MA		

US-CL-CURRENT: 424/93.7; 435/325

ABSTRACT:

Isolated porcine pancreatic cells, isolated populations of such cells and methods for isolating and using the cells to treat subjects with diseases characterized by insufficient insulin activity are described. The porcine pancreatic cells are preferably non-insulin-secreting porcine pancreatic cell having the ability to differentiate into an insulin-secreting cell upon introduction into a xenogeneic subject, such as a human subject. Such cells include embryonic porcine pancreatic cells obtained from embryonic pigs between about day 31 and day 35 of gestation. The porcine pancreatic cells can be modified to be suitable for transplantation into a xenogeneic subject, for example, by altering an antigen (e.g., an MHC class I antigen) on the cell surface which is capable of stimulating an immune response against the cell in the subject (e.g., by contact with an anti-MHC class I antibody, or a fragment or derivative thereof). The isolated porcine pancreatic cells of the invention can be used to treat diseases characterized by insufficient insulin activity, e.g., Type I and Type II diabetes, by administering the cells to a subject having such a disease.

35 Claims, 4 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc
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☐ 68. Document ID: US 5834309 A

L7: Entry 68 of 108

File: USPT

Nov 10, 1998

US-PAT-NO: 5834309

DOCUMENT-IDENTIFIER: US 5834309 A

**** See image for Certificate of Correction ****

TITLE: Vertebrate apoptosis gene: compositions and methods

DATE-ISSUED: November 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thompson; Craig B.	Chicago	IL		
Boise; Lawrence H.	Chicago	IL		
Nunez; Gabriel	Ann Arbor	MI		

US-CL-CURRENT: 435/325; 435/243, 435/320.1, 435/410, 536/23.1, 536/23.4, 536/24.1

ABSTRACT:

The invention relates generally to compositions of and methods for obtaining and using a polypeptide other than BCL-2 that affects programmed vertebrate cell death. The invention relates as well to polynucleotides encoding those polypeptides, recombinant vectors carrying those sequences, the recombinant host cells including either the sequences or vectors, and recombinant polypeptides. The invention further provides methods for using the isolated, recombinant polypeptides in assays designed

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to select and improve substances capable of altering programmed cell death for use in diagnostic, drug design and therapeutic applications.

9 Claims, 31 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 22

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 69. Document ID: US 5834248 A

L7: Entry 69 of 108

File: USPT

Nov 10, 1998

US-PAT-NO: 5834248

DOCUMENT-IDENTIFIER: US 5834248 A

**** See image for Certificate of Correction ****

TITLE: Compositions and methods using rchd534, a gene uregulated by shear stress

DATE-ISSUED: November 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Falb; Dean	Wellesley	MA		

US-CL-CURRENT: 435/70.1; 435/320.1, 435/325, 536/23.1, 536/23.5

ABSTRACT:

The present invention relates to methods and compositions for the treatment and diagnosis of cardiovascular disease, including, but not limited to, atherosclerosis, ischemia/reperfusion, hypertension, restenosis, and arterial inflammation. Specifically, the present invention identifies and describes genes which are differentially expressed in cardiovascular disease states, relative to their expression in normal, or non-cardiovascular disease states, and/or in response to manipulations relevant to cardiovascular disease. Further, the present invention identifies and describes genes via the ability of their gene products to interact with gene products involved in cardiovascular disease. Still further, the present invention provides methods for the identification and therapeutic use of compounds as treatments of cardiovascular disease. Moreover, the present invention provides methods for the diagnostic monitoring of patients undergoing clinical evaluation for the treatment of cardiovascular disease, and for monitoring the efficacy of compounds in clinical trials. Additionally, the present invention describes methods for the diagnostic evaluation and prognosis of various cardiovascular diseases, and for the identification of subjects exhibiting a predisposition to such conditions.

17 Claims, 40 Drawing figures

Exemplary Claim Number: 1,11,12,15

Number of Drawing Sheets: 40

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 70. Document ID: US 5834188 A

L7: Entry 70 of 108

File: USPT

Nov 10, 1998

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US-PAT-NO: 5834188

DOCUMENT-IDENTIFIER: US 5834188 A

**** See image for Certificate of Correction ****

TITLE: Methods and compositions for identifying morphogen analogs

DATE-ISSUED: November 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harada; Shun-ichi	North Wales	PA		
Sampath; Kuber T.	Medway	MA		
Rodan; Gideon A.	Bryn Mawr	PA		

US-CL-CURRENT: 435/6; 435/325, 435/4, 536/24.1

ABSTRACT:

Disclosed herein are methods and compositions for identifying morphogen analogs. Preferred methods rest on the use of test cells comprising DNA defining a morphogen-responsive transcription activating element operatively associated with a reporter gene. In certain embodiments, the methods involve an osteogenic protein 1 (OP-1) responsive transcription activating element. Substances that activate the OP-1 responsive transcription activating element are considered herein likely to be useful for reproducing in vivo effects of morphogens such as OP-1.

10 Claims, 12 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 12

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNOC	Draw Des
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☐ 71. Document ID: US 5830451 A

L7: Entry 71 of 108

File: USPT

Nov 3, 1998

US-PAT-NO: 5830451

DOCUMENT-IDENTIFIER: US 5830451 A

TITLE: Haematopoietic cytokine Epstein Barr virus-induced protein

DATE-ISSUED: November 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Devergne; Odile	Brookline	MA		
Kieff; Elliott D.	Brookline	MA		

US-CL-CURRENT: 424/85.1; 435/252.3, 435/320.1, 435/325, 435/69.7, 435/71.2, 530/351, 536/23.4, 536/23.5, 536/24.31

ABSTRACT:

A novel heterodimeric haematopoietic cytokine formed from the Epstein Barr Virus-Induced protein 3 (EBI3) and the p35 subunit of Interleukin-12 (IL12) is disclosed. Substantially pure preparations of this EBI3/p35 cytokine, and antibodies thereto,

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are provided. In addition, isolated nucleic acids encoding the EBI3/p35 cytokine, and recombinant host cells transformed with these nucleic acids, are also provided. Methods of treating patients, using the EBI3/p35 cytokine or nucleic acids encoding the cytokine, are disclosed. The invention also provides for diagnostic assays for detecting pregnancy or threatened spontaneous abortion using antibodies to the cytokine.

9 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 72. Document ID: US 5824489 A

L7: Entry 72 of 108

File: USPT

Oct 20, 1998

US-PAT-NO: 5824489

DOCUMENT-IDENTIFIER: US 5824489 A

TITLE: In vitro method for obtaining an isolated population of mammalian neural crest stem cells

DATE-ISSUED: October 20, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Stemple; Derek L.	Pasadena	CA		

US-CL-CURRENT: 435/7.21; 435/325, 435/375, 435/377, 435/378, 435/395, 435/402

ABSTRACT:

The invention includes methods for the isolation and clonal propagation of mammalian neural stem cells. The methods employ a novel separation and culturing regimen and bioassays for establishing the generation of neural stem cell derivatives. These methods result in the production of non-transformed neural stem cells and their progeny. The invention demonstrates, at the clonal level, the self regeneration and asymmetrical division of mammalian neural stem cells for the first time in feeder cell-independent cultures. Lineage restriction is demonstrated within a developing clone and is shown to be sensitive to the local environment. Multipotent neural stem cells cultured on a mixed substrate of poly-D-lysine and fibronectin generate PNS neurons and glia, but on fibronectin alone the stem cells generate PNS glia but not neurons. The neurogenic potential of the stem cells, while not expressed, is maintained over time on fibronectin. The invention further includes transplantation assays which allow for the identification of mammalian neural stem cells from various tissues. It also includes methods for transplanting mammalian neural stem cells and/or neural or glial progenitors into mammals.

21 Claims, 48 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 73. Document ID: US 5817789 A

L7: Entry 73 of 108

File: USPT

Oct 6, 1998

US-PAT-NO: 5817789

DOCUMENT-IDENTIFIER: US 5817789 A

TITLE: Chimeric proteins for use in transport of a selected substance into cells

DATE-ISSUED: October 6, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heartlein; Michael W.	Boxborough	MA		
Lemontt; Jeffrey F.	West Newton	MA		
Concino; Michael F.	Newton	MA		

US-CL-CURRENT: 536/23.4; 435/320.1, 435/325, 435/366, 435/69.1, 530/350

ABSTRACT:

Chimeric proteins, which bind a cell surface receptors, useful in transporting a selected substance present in extracellular fluids, such as blood or lymph, into cells; quantitative assays for the selected substance using chimeric proteins; DNA encoding the chimeric proteins; plasmids which contain DNA encoding the chimeric proteins; mammalian cells, modified to contain DNA encoding the chimeric proteins, which express and, optionally, secrete the chimeric proteins; a method of producing the chimeric proteins; a method of isolating the chimeric proteins; a method of using the chimeric proteins to assay the selected substance; and a method of reducing extracellular levels of the selected substance through administration of the chimeric protein, which results in transport of the selected substance into cells.

10 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 17

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KOMC	Draw Desc
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☐ 74. Document ID: US 5814479 A

L7: Entry 74 of 108

File: USPT

Sep 29, 1998

US-PAT-NO: 5814479

DOCUMENT-IDENTIFIER: US 5814479 A

TITLE: Bsk receptor-like tyrosine kinase

DATE-ISSUED: September 29, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zhou; Renping	Piscataway	NJ	08854	
Schulz; Nicholas T.	Pittsburg	PA	15206	
Kromer; Lawrence F.	Arlington	VA	11207	

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Woude; George F. Vande Berryville VA 22611

US-CL-CURRENT: 435/69.1; 435/194, 435/252.3, 435/254.11, 435/320.1, 435/325, 435/348,
536/23.2, 536/23.5, 536/24.31

ABSTRACT:

The present invention provides a nucleic acid sequence encoding a receptor-like tyrosine kinase designated, Bsk. The Bsk receptor-like tyrosine kinase is expressed predominantly in the brain, specifically the limbic system. Also included is the receptor encoded by the Bsk nucleic acid sequence and antibodies reactive with the Bsk protein. This invention further relates to bioassays using the nucleic acid sequence, receptor protein or antibodies of this invention to diagnose, assess, or prognose a mammal afflicted with neurodegenerative disease. Therapeutic uses for the Bsk receptor-like tyrosine kinase are also provided. This invention also relates to the ligand for the Bsk receptor, and diagnostic and therapeutic uses for the Bsk ligand.

17 Claims, 35 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 19

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc
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☐ 75. Document ID: US 5811517 A

L7: Entry 75 of 108

File: USPT

Sep 22, 1998

US-PAT-NO: 5811517

DOCUMENT-IDENTIFIER: US 5811517 A

**** See image for Certificate of Correction ****

TITLE: ICAM-related protein variants

DATE-ISSUED: September 22, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gallatin; W. Michael	Seattle	WA		
Vazeux; Rosemay	Seattle	WA		

US-CL-CURRENT: 530/350; 435/252.3, 435/320.1, 435/325, 435/69.1, 435/69.7, 536/23.1,
536/23.4

ABSTRACT:

DNA sequences encoding a novel human intercellular adhesion molecule polypeptide (designated "ICAM-R") and variants thereof are disclosed along with methods and materials for production of the same by recombinant procedures. Binding molecules specific for ICAM-R and variants thereof are also disclosed as useful in both the isolation of ICAM-R from natural cellular sources and the modulation of ligand/receptor binding biological activities of ICAM-R.

8 Claims, 39 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 34

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIMC	Draw Desc
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☐ 76. Document ID: US 5795734 A

L7: Entry 76 of 108

File: USPT

Aug 18, 1998

US-PAT-NO: 5795734

DOCUMENT-IDENTIFIER: US 5795734 A

TITLE: EPH receptor ligands, and uses related thereto

DATE-ISSUED: August 18, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Flanagan; John G.	Newton	MA		
Cheng; Hwai-Jong	Boston	MA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/7.1, 530/300, 530/350,
536/23.1, 536/23.5

ABSTRACT:

The present invention relates to the discovery of a novel EPH receptor ligand, referred to hereinafter as "Elf-1", which protein has apparently broad involvement in the formation and maintenance of ordered spatial arrangements of differentiated tissues in vertebrates, and can be used to generate and/or maintain an array of different vertebrate tissue both in vitro and in vivo.

26 Claims, 13 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 12

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIMC	Draw Desc
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☐ 77. Document ID: US 5789195 A

L7: Entry 77 of 108

File: USPT

Aug 4, 1998

US-PAT-NO: 5789195

DOCUMENT-IDENTIFIER: US 5789195 A

**** See image for Certificate of Correction ****

TITLE: Human notch and delta, binding domains in toporythmic proteins, and methods based thereon

DATE-ISSUED: August 4, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Muskavitch; Marc Alan Telander	Bloomington	IN		
Fehon; Richard Grant	Hamden	CT		

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Rebay; Ilaria	New Haven	CT
Blaumueeller; Christine Marie	New Haven	CT
Shepard; Scott Brockwell	Bloomington	IN

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/7.1, 530/300, 530/350,
536/23.1, 536/23.5

ABSTRACT:

The present invention relates to nucleotide sequences of the human Notch and Delta genes, and amino acid sequences of their encoded proteins, as well as fragments thereof containing an antigenic determinant or which are functionally active. The invention is also directed to fragments (termed herein "adhesive fragments"), and the sequences thereof, of the proteins ("toporythmic proteins") encoded by toporythmic genes which mediate homotypic or heterotypic binding to toporythmic proteins. Toporythmic genes, as used herein, refers to the genes Notch, Delta, and Serrate, as well as other members of the Delta/Serrate family which may be identified, e.g., by the methods described herein. Analogs and derivatives of the adhesive fragments which retain-binding activity are also provided. Antibodies to human Notch and to adhesive fragments are additionally provided. In specific embodiments, the adhesive fragment of Notch is that fragment comprising the Notch sequence most homologous to Drosophila Notch EGF-like repeats 11 and 12; the adhesive fragment of Delta mediating heterotypic binding is that fragment comprising the sequence most homologous to Drosophila Delta amino acids 1-230; the adhesive fragment of Delta mediating homotypic binding is that fragment comprising the sequence most homologous to Drosophila Delta amino acids 32-230; and the adhesive fragment of Serrate is that fragment comprising the sequence most homologous to Drosophila Serrate amino acids 85-283.

125 Claims, 82 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 57

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 78. Document ID: US 5780300 A

L7: Entry 78 of 108

File: USPT

Jul 14, 1998

US-PAT-NO: 5780300

DOCUMENT-IDENTIFIER: US 5780300 A

TITLE: Manipulation of non-terminally differentiated cells using the notch pathway

DATE-ISSUED: July 14, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Fortini; Mark Edward	New Haven	CT		
Matsuno; Kenji	New Haven	CT		

US-CL-CURRENT: 435/377; 435/325, 435/366, 435/372, 435/375

ABSTRACT:

h e b b cg b cc e

The present invention is directed to methods for the expansion of non-terminally differentiated cells ("precursor cells") using agonists of Notch function, by inhibiting the differentiation of the cells without inhibiting proliferation (mitotic activity) such that an expanded population of non-terminally differentiated cells is obtained. The cells are preferably stem or progenitor cells. These expanded cells can be used in cell replacement therapy to provide desired cell populations and help in the regeneration of diseased and/or injured tissues. The expanded cell populations can also be made recombinant and used for gene therapy, or can be used to supply functions associated with a particular precursor cell or its progeny cell.

40 Claims, 16 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 12

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw Desc
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☐ 79. Document ID: US 5780299 A

L7: Entry 79 of 108

File: USPT

Jul 14, 1998

US-PAT-NO: 5780299

DOCUMENT-IDENTIFIER: US 5780299 A

TITLE: Method of altering blood sugar levels using non-transformed human pancreatic cells that have been expanded in culture

DATE-ISSUED: July 14, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coon; Hayden G.	Gaithersburg	MD		
Ambesi-Impiomato; Francesco Saverio	Tricesimo			IT
Curcio; Francesco	Pagnacco			IT

US-CL-CURRENT: 435/366; 435/325, 435/382, 435/383, 435/391

ABSTRACT:

The present invention provides a method for producing an expanded non-transformed cell culture comprising the steps of: (1) preparing partially purified, minced tissue; (2) concentrating the resulting cells and tissue pieces; (3) resuspending the concentrated tissue cells and pieces in a culture medium capable of supporting sustained cell division that is contained in a culture vessel; (4) incubating the cells; and (5) passaging the cells periodically. The present invention further provides clonal strains of cells derived from the above-mentioned cell culture, medium and conditioned medium designed for the culturing of such cells, including pancreatic, thyroid, parathyroid, and parotid cells, and the use of cultured pancreatic cells to form pancreatic pseudotissues composed of matrix-embedded aggregated (pseudoislets) or individual cells, to treat blood sugar disorders in mammals, and to test for cytotoxicity and autoimmune activities with reference to pancreatic endocrine cells.

14 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc.
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☐ 80. Document ID: US 5780291 A

L7: Entry 80 of 108

File: USPT

Jul 14, 1998

US-PAT-NO: 5780291

DOCUMENT-IDENTIFIER: US 5780291 A

TITLE: Wnt-x growth factor polypeptide, DNA encoding same, and Wnt-x antibody

DATE-ISSUED: July 14, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rodan; Gideon A.	Bryn Mawr	PA		
Rutledge; Su Jane	East Greenville	PA		
Schmidt; Azriel	Bryn Mawr	PA		

US-CL-CURRENT: 435/252.3; 435/320.1, 435/325, 530/350, 530/387.9, 530/399, 536/23.5

ABSTRACT:

A novel member of the Wnt-family of growth factors, termed Wnt-x, has been identified and DNA encoding the growth factor has been isolated, purified, sequenced and expressed in host cells. This DNA encoding the novel Wnt-x protein and host cells expressing the Wnt-x protein are used to identify modulators of the Wnt-x growth factor.

6 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc.
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☐ 81. Document ID: US 5776762 A

L7: Entry 81 of 108

File: USPT

Jul 7, 1998

US-PAT-NO: 5776762

DOCUMENT-IDENTIFIER: US 5776762 A

TITLE: Obesity associated genes

DATE-ISSUED: July 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
North; Michael	La Jolla	CA		
Nishina; Patsy	Bar Harbor	ME		
Noben-Trauth; Konrad	Bar Harbor	ME		
Naggert; Juergen	Bar Harbor	ME		

US-CL-CURRENT: 435/252.3; 435/325, 435/6, 435/69.1, 536/23.1, 536/23.5, 536/24.3,
536/24.31

ABSTRACT:

The gene responsible for the autosomal recessive mouse obesity mutation tub was identified by positional cloning. The homologous human gene is also provided. The genes are used to produce tubby protein; in screening for compositions that modulate the expression or function of the tubby protein; and in studying associated physiological pathways. The DNA is further used as a diagnostic for genetic predisposition to obesity, retinal degeneration or cochlear degeneration. The mutation responsible for the tub phenotype is a G to T transversion that abolishes a donor splice site in the 3' coding region and results in a larger transcript containing the unspliced intron. A second, prematurely truncated transcript arises from the introduction of a premature polyadenylation site in the unspliced intron.

4 Claims, 1 Drawing figures
Exemplary Claim Number: 1,4
Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	KNOW	Draw Des
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☐ 82. Document ID: US 5776734 A

L7: Entry 82 of 108

File: USPT

Jul 7, 1998

US-PAT-NO: 5776734

DOCUMENT-IDENTIFIER: US 5776734 A

TITLE: DNA encoding the .beta. subunit of a mammalian maxi-K potassium channel

DATE-ISSUED: July 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kaczorowski; Gregory J.	Rahway	NJ		
Garcia; Maria L.	Rahway	NJ		
Leonard; Reid J.	Rahway	NJ		
McManus; Owen B.	Rahway	NJ		
Swanson; Richard J.	Rahway	NJ		
Folander; Kimberly L.	Rahway	NJ		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 536/23.5

ABSTRACT:

This invention relates to a heteromultimer and its use in screening pharmaceutically active compounds for modulators of maxi-K channel activity. Such modulators are useful in treating asthma, pregnant human myometrium, hypertension and angina, cerebral ischemia and in conditions where stimulation of neurotransmitter release is desired such as Alzheimer's disease and stimulation of damaged nerves.

24 Claims, 5 Drawing figures
Exemplary Claim Number: 1,13
Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 83. Document ID: US 5770432 A

L7: Entry 83 of 108

File: USPT

Jun 23, 1998

US-PAT-NO: 5770432

DOCUMENT-IDENTIFIER: US 5770432 A

TITLE: Obesity associated genes

DATE-ISSUED: June 23, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nishina; Patsy	Bar Harbor	ME		
Noben-Trauth; Konrad	Bar Harbor	ME		
Naggert; Juergen	Bar Harbor	ME		
North; Michael	La Jolla	CA		

US-CL-CURRENT: 435/252.3; 435/325, 435/6, 536/23.1, 536/23.5, 536/24.31

ABSTRACT:

The gene responsible for the autosomal recessive mouse obesity mutation tub was identified by positional cloning. The homologous human gene is also provided. The genes are used to produce tubby protein; in screening for compositions that modulate the expression or function of the tubby protein; and in studying associated physiological pathways. The DNA is further used as a diagnostic for genetic predisposition to obesity, retinal degeneration or cochlear degeneration. The mutation responsible for the tub phenotype is a G to T transversion that abolishes a donor splice site in the 3' coding region and results in a larger transcript containing the unspliced intron. A second, prematurely truncated transcript arises from the introduction of a premature polyadenylation site in the unspliced intron.

6 Claims, 1 Drawing figures

Exemplary Claim Number: 1,4,6

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 84. Document ID: US 5763217 A

L7: Entry 84 of 108

File: USPT

Jun 9, 1998

US-PAT-NO: 5763217

DOCUMENT-IDENTIFIER: US 5763217 A

TITLE: Method of using, process of preparing and composition comprising recombinant herpesvirus vectors

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

h e b b cg b cc e

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cynader; Max	Vancouver			CA
Tufaro; Francis	Vancouver			CA

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/456, 536/23.1, 536/24.1

ABSTRACT:

Methods for treatment, processes for preparing, and compositions for delivering selected nucleic acid sequences to cells, primarily of the treatment of neurological disorders and exploring neurological functions, are disclosed. In particular, the invention provides recombinant Herpesvirus vectors with a high rate of expression of selected nucleic acid sequences and/or a low cytopathicity and its associated methods and processes.

13 Claims, 25 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Dram. Des.
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☐ 85. Document ID: US 5759855 A

L7: Entry 85 of 108

File: USPT

Jun 2, 1998

US-PAT-NO: 5759855

DOCUMENT-IDENTIFIER: US 5759855 A

**** See image for Certificate of Correction ****

TITLE: Methods for modifying the binding activity of cell adhesion receptors

DATE-ISSUED: June 2, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pierschbacher; Michael D.	San Diego	CA		
Grzesiak; John J.	Cardiff	CA		
Kirchhofer; Daniel	Obervil			CH

US-CL-CURRENT: 435/325; 424/600, 424/678, 424/681, 435/334, 514/492

ABSTRACT:

The invention relates to the regulatory role of cations on the dynamics of integrin-mediated cell adhesion and migration. In one aspect, methods of promoting or inhibiting the migration of integrin-expressing cells are provided by controlling the amount of cations, such as Mg.sup.2+ or Ca.sup.2+, in contact with the integrins of the cells. Methods of modifying the binding avidity of an integrin for its ligand are also provided by regulating the concentration of cations in contact with the integrin. The invention further relates to methods of using cations for a variety of applications and in particular for promoting wound healing.

7 Claims, 15 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc
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☐ 86. Document ID: US 5750103 A

L7: Entry 86 of 108

File: USPT

May 12, 1998

US-PAT-NO: 5750103

DOCUMENT-IDENTIFIER: US 5750103 A

TITLE: Method for transplanting cells into the brain and therapeutic uses therefor

DATE-ISSUED: May 12, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cherksey; Bruce D.	Hoboken	NJ		

US-CL-CURRENT: 424/93.21; 424/484, 424/486, 424/487, 424/488, 424/499, 424/500,
424/501, 424/93.7, 435/176, 435/177, 435/178, 435/179, 435/180, 435/304.1, 435/307.1,
435/325, 435/346, 435/366, 435/368, 435/369, 435/371, 435/374, 435/395, 435/403,
604/57

ABSTRACT:

A method for grafting a cell in the brain of a mammalian subject is accomplished by attaching the cell to a support matrix so that the cell attaches to the matrix surface, and implanting the support matrix with the attached cell into the brain. A syringe containing viable cells that are attached to a matrix surface may be used to transplant the cells into the brain or spinal cord of a mammalian subject. Preferred support matrices are glass or plastic microbeads, either solid or porous, having a diameter from about 90 to about 125 .mu.m. The method employs cells of different types, preferably cells of neural or paraneural origin, such as adrenal chromaffin cells. Also useful are cell lines grown in vitro. Cells not of neural or paraneural origin, such as fibroblasts, may also be used following genetic alteration to express a desired neural product such as a neurotransmitter or a neuronal growth factor. The method is used to treat neurological diseases such as Parkinson's disease, Alzheimer's disease, Huntington's disease, epilepsy, and traumatic brain injury.

11 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc
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☐ 87. Document ID: US 5747326 A

L7: Entry 87 of 108

File: USPT

May 5, 1998

US-PAT-NO: 5747326

DOCUMENT-IDENTIFIER: US 5747326 A

**** See image for Certificate of Correction ****

TITLE: Isolated nucleic acid molecules which encode mammalian .alpha.2,8 polysialyl transferases

DATE-ISSUED: May 5, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gerardy-Schahn; Rita	Hiddenhausen			DE
Fukuda; Minoru	San Diego	CA		
Nakayama; Jun	San Diego	CA		
Eckhardt; Matthias	Hanover			DE

US-CL-CURRENT: 435/325, 435/193, 435/252.3, 435/252.33, 435/320.1, 435/348, 435/358,
435/365, 435/69.1, 530/350, 536/23.2, 536/23.5

ABSTRACT:

Isolated nucleic acid molecules encoding polysialyl transferases, and the polysialyl transferases themselves are disclosed. SEQ ID NOS: 1, 2, 7 and 8 present examples of these. The nucleic acid molecules and the proteins can be used diagnostically or therapeutically. Additionally, antisense oligonucleotides and antibodies are described, which can also be used diagnostically or therapeutically.

19 Claims, 9 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KOMC	Draw Des
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88. Document ID: US 5733720 A

L7: Entry 88 of 108

File: USPT

Mar 31, 1998

US-PAT-NO: 5733720

DOCUMENT-IDENTIFIER: US 5733720 A

TITLE: Genetically engineered cell lines for detecting infectious herpesvirus and methods therefor

DATE-ISSUED: March 31, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Olivo; Paul D.	St. Louis	MO		

US-CL-CURRENT: 435/5, 435/207, 435/235.1, 435/320.1, 435/325, 435/69.1, 435/69.7,
435/69.8, 435/70.1, 435/8, 536/23.4, 536/23.72, 536/24.1

ABSTRACT:

A diagnostic assay for detecting the presence of an infectious herpesvirus in a specimen and a genetically engineered cell line for use in such assay are disclosed. The cell line used in the assay expresses a reporter gene only if infectious herpesvirus is present in the specimen. The assay involves inoculating a DNA-transfected cell line with a specimen suspected of containing a herpesvirus, allowing a sufficient period of time for the herpesvirus infectious cycle to proceed, and detecting and quantifying the number of herpesvirus-infected cells to determine the number of infectious herpesvirus virions in the specimen. The cell line is a DNA-transfected cell line susceptible to infection by a herpesvirus which is stably

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transformed with a chimeric gene comprising a herpesvirus inducible promoter and a gene coding for an enzyme, the expression of the enzyme being dependent upon and quantitatively proportional to the presence of herpesvirus. A kit for such assay is also provided.

33 Claims, 10 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMCC	Draw. Des.
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☐ 89. Document ID: US 5723315 A

L7: Entry 89 of 108

File: USPT

Mar 3, 1998

US-PAT-NO: 5723315

DOCUMENT-IDENTIFIER: US 5723315 A

TITLE: Secreted proteins and polynucleotides encoding them

DATE-ISSUED: March 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jacobs; Kenneth	Newton	MA		
McCoy; John M.	Reading	MA		
LaVallie; Edward R.	Tewksbury	MA		
Racie; Lisa A.	Acton	MA		
Merberg; David	Acton	MA		
Treacy; Maurice	Chestnut Hill	MA		
Spaulding; Vikki	Billerica	MA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/254.11, 435/325, 514/12, 530/350, 536/23.5

ABSTRACT:

Novel polynucleotides and the proteins encoded thereby are disclosed.

20 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMCC	Draw. Des.
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☐ 90. Document ID: US 5712160 A

L7: Entry 90 of 108

File: USPT

Jan 27, 1998

US-PAT-NO: 5712160

DOCUMENT-IDENTIFIER: US 5712160 A

**** See image for Certificate of Correction ****

TITLE: Method of stimulating growth using neurotrophic peptides

h e b b cg b cc e

DATE-ISSUED: January 27, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Perez-Polo; J. Regino	Galveston	TX		

US-CL-CURRENT: 435/375; 435/325, 435/368, 435/7.2, 514/14, 514/2, 530/326

ABSTRACT:

The present invention involves peptides derived from nerve growth factor receptor protein. Such peptides are characterized by competing for NGF binding to NGF receptor at high concentrations while accentuating NGF binding at low concentrations. Preferred peptides include Cys-Glu-Glu-Cys-Pro-Glu-OH, Asn-Thr-Val-Cys-Glu-Glu-Cys-Pro-Glu-OH, Gln-Asp-Lys-Gln-Asn-Thr-Val-Cys-Glu-Glu-Cys-Pro-Glu-OH and Cys-Gln-Asp-Lys-Gln-Asn-Thr-Val-Cys-Glu-Glu-Cys-Pro-Glu-OH.

7 Claims, 10 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. Des.
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☐ 91. Document ID: US 5695995 A

L7: Entry 91 of 108

File: USPT

Dec 9, 1997

US-PAT-NO: 5695995

DOCUMENT-IDENTIFIER: US 5695995 A

**** See image for Certificate of Correction ****

TITLE: Neurogenic differentiation (neurod) genes

DATE-ISSUED: December 9, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weintraub, deceased; Harold M.	late of Seattle	WA		
Lee; Jacqueline E.	Denver	CO		
Hollenberg; Stanley M.	Portland	OR		
Tapscott; Stephen J.	Seattle	WA		

US-CL-CURRENT: 435/455; 435/252.33, 435/320.1, 435/325, 435/357, 435/360, 435/69.1, 435/69.4, 536/23.1, 536/23.5, 536/23.51

ABSTRACT:

Neurogenic differentiation genes and proteins are identified, isolated, and sequenced. Expression of neuroD has been demonstrated in neural, pancreatic, and gastrointestinal cells. Ectopic expression of neuroD in non-neuronal cells of Xenopus embryos induced formation of neurons.

8 Claims, 1 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 92. Document ID: US 5691179 A

L7: Entry 92 of 108

File: USPT

Nov 25, 1997

US-PAT-NO: 5691179

DOCUMENT-IDENTIFIER: US 5691179 A

TITLE: Cell death regulators

DATE-ISSUED: November 25, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Korsmeyer; Stanley J.	St. Louis	MO		

US-CL-CURRENT: 435/355; 435/252.3, 435/254.11, 435/320.1, 435/325, 435/372,
435/372.2, 536/23.5, 536/24.31

ABSTRACT:

A Bcl-2 associated protein (Bax) and uses thereof.

20 Claims, 42 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 25

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 93. Document ID: US 5690926 A

L7: Entry 93 of 108

File: USPT

Nov 25, 1997

US-PAT-NO: 5690926

DOCUMENT-IDENTIFIER: US 5690926 A

TITLE: Pluripotential embryonic cells and methods of making same

DATE-ISSUED: November 25, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hogan; Brigid L. M.	Brentwood	TN		

US-CL-CURRENT: 424/93.1; 424/9.1, 424/93.21, 435/325, 435/352, 435/353, 435/366

ABSTRACT:

The claimed invention is directed towards non-murine pluripotential cells that have the ability to be passaged in vitro for at least 20 passages and which differentiate in culture into a variety of tissues. The scope of the claimed cells includes any non-murine ES cells and particular claims are drawn to human pluripotential cells.

7 Claims, 21 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Dram Des
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☐ 94. Document ID: US 5681714 A

L7: Entry 94 of 108

File: USPT

Oct 28, 1997

US-PAT-NO: 5681714

DOCUMENT-IDENTIFIER: US 5681714 A

**** See image for Certificate of Correction ****

TITLE: Nucleic acid encoding tek receptor tyrosine kinase

DATE-ISSUED: October 28, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breitman, deceased; Martin L.	late of Willowdale			CA
Rossant; Janet	Toronto			CA
Dumont; Daniel J.	Oakville			CA
Yamaguchi; Terry P.	Toronto			CA

US-CL-CURRENT: 435/69.1; 435/194, 435/252.3, 435/254.11, 435/320.1, 435/325, 435/352,
435/358, 435/365, 435/367

ABSTRACT:

Novel receptor tyrosine kinase protein and isoforms thereof which are expressed in cells of the endothelial lineage, and DNA segments encoding the novel protein and isoforms thereof are disclosed. Methods for identifying ligands which are capable of binding to the receptor protein and methods for screening for agonist or antagonist substances of the interaction of the protein and a ligand are also disclosed.

14 Claims, 70 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 70

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Dram Des
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☐ 95. Document ID: US 5679545 A

L7: Entry 95 of 108

File: USPT

Oct 21, 1997

US-PAT-NO: 5679545

DOCUMENT-IDENTIFIER: US 5679545 A

TITLE: Gene encoding cardiac hypertrophy factor

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

h e b b cg b cc e

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baker; Joffre	El Granada	CA		
Chien; Kenneth	La Jolla	CA		
King; Kathleen	Pacifica	CA		
Pennica; Diane	Burlingame	CA		
Wood; William	San Mateo	CA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 536/23.5

ABSTRACT:

Isolated CT-1, isolated DNA encoding CT-1, and recombinant or synthetic methods of preparing CT-1 are disclosed. These CT-1 molecules are shown to influence hypertrophic activity and neurological activity. Accordingly, these compounds or their antagonists may be used for treatment of heart failure, arrhythmic disorders, inotropic disorders, and neurological disorders.

18 Claims, 8 Drawing figures

Exemplary Claim Number: 1,8,9,10

Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw. Des.
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☐ 96. Document ID: US 5679340 A

L7: Entry 96 of 108

File: USPT

Oct 21, 1997

US-PAT-NO: 5679340

DOCUMENT-IDENTIFIER: US 5679340 A

TITLE: Cells with multiple altered epitopes on a surface antigen for use in transplantation

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chappel; Scott C.	Milton	MA		

US-CL-CURRENT: 424/93.1; 435/325, 435/366, 435/368, 435/370, 435/371, 435/372

ABSTRACT:

Cells suitable for transplantation which have at least two different epitopes on a surface antigen altered prior to transplantation to inhibit rejection of the cells following transplantation into an allogeneic or xenogeneic recipient are disclosed. These cells are more successfully transplanted than cells which have only a single epitope on the surface antigen altered. Preferably, the antigen on the cell surface which is altered is an MHC class I antigen. Two different epitopes on an MHC class I antigen can be altered by contacting the cell with two molecules, such as antibodies or fragments thereof (e.g., F(ab').sub.2 fragments), which bind to two different epitopes on the antigen. Preferred epitopes on human MHC class I antigens to be altered are epitopes recognized by the monoclonal antibodies W6/32 and PT85. Improved methods for transplantation utilizing cells which have at least two different epitopes on a surface antigen altered prior to transplantation are also disclosed.

28 Claims, 5 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc
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☐ 97. Document ID: US 5672499 A

L7: Entry 97 of 108

File: USPT

Sep 30, 1997

US-PAT-NO: 5672499
DOCUMENT-IDENTIFIER: US 5672499 A

TITLE: Immoralized neural crest stem cells and methods of making

DATE-ISSUED: September 30, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Stemple; Derek L.	Newton	MA		

US-CL-CURRENT: 435/353; 435/320.1, 435/325, 435/368, 435/467, 435/69.1

ABSTRACT:

The invention includes mammalian multipotent neural stem cells and their progeny and methods for the isolation and clonal propagation of such cells. At the clonal level the stem cells are capable of self regeneration and asymmetrical division. Lineage restriction is demonstrated within developing clones which are sensitive to the local environment. The invention also includes such cells which are transfected with foreign nucleic acid, e.g., to produce an immortalized neural stem cell. The invention further includes transplantation assays which allow for the identification of mammalian multipotent neural stem cells from various tissues and methods for transplanting mammalian neural stem cells and/or neural or glial progenitors into mammals. A novel method for detecting antibodies to neural cell surface markers is disclosed as well as a monoclonal antibody to mouse LNGFR.

8 Claims, 62 Drawing figures
Exemplary Claim Number: 1,2
Number of Drawing Sheets: 23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc
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☐ 98. Document ID: US RE35585 E

L7: Entry 98 of 108

File: USPT

Aug 12, 1997

US-PAT-NO: RE35585
DOCUMENT-IDENTIFIER: US RE35585 E

TITLE: DNA vector with isolated cDNA gene encoding metalloproteinase

DATE-ISSUED: August 12, 1997

h e b b c g b c c e

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fernandez-Pol; Jose A.	Chesterfield	MO	63017	

US-CL-CURRENT: 536/23.5; 435/252.3, 435/325, 435/348, 435/69.1, 435/69.7, 536/24.31

ABSTRACT:

A novel DNA sequence is disclosed which encodes a protein associated with many human cancers. This protein is designated as metallopanstimulin-1 (MPS-1) since (1) it is associated with metal ions, particularly zinc; (2) it has been detected in numerous different types of cells; (3) it is associated with rapid cell proliferation. The MPS-1 mRNA and its encoded protein are expressed in normal cells to a much lesser degree than in premalignant or malignant tumor cells, and they are present at very low levels in senescent cells compared to young healthy cells. The DNA sequence and the protein can be used in diagnostic methods such as detection of malignant cells associated with several types of tumors. Thus, this invention discloses a method for determining the presence of certain types of malignant conditions in patients. The MPS-1 cDNA sequence has been inserted into convenient vectors, and a culture of E. coli cells containing the sequence has been deposited with the American Type Culture Collection (ATCC), under accession number ATCC 68656.

20 Claims, 11 Drawing figures

Exemplary Claim Number: 10

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNIC	Draw Des
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☐ 99. Document ID: US 5654183 A

L7: Entry 99 of 108

File: USPT

Aug 5, 1997

US-PAT-NO: 5654183

DOCUMENT-IDENTIFIER: US 5654183 A

TITLE: Genetically engineered mammalian neural crest stem cells

DATE-ISSUED: August 5, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Stemple; Derek L.	Newton	MA		

US-CL-CURRENT: 435/456; 435/320.1, 435/325, 435/353, 435/368, 435/69.1

ABSTRACT:

The invention includes mammalian multipotent neural stem cells and their progeny and methods for the isolation and clonal propagation of such cells. At the clonal level the stem cells are capable of self regeneration and asymmetrical division. Lineage restriction is demonstrated within developing clones which are sensitive to the local environment. The invention also includes such cells which are transfected with foreign nucleic acid, e.g., to produce an immortalized neural stem cell. The invention further includes transplantation assays which allow for the identification of mammalian multipotent neural stem cells from various tissues and methods for transplanting mammalian neural stem cells and/or neural or glial progenitors into

mammals. A novel method for detecting antibodies to neural cell surface markers is disclosed as well as a monoclonal antibody to mouse LNGFR.

17 Claims, 62 Drawing figures
Exemplary Claim Number: 1,4
Number of Drawing Sheets: 23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw. Desc
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☐ 100. Document ID: US 5646008 A

L7: Entry 100 of 108

File: USPT

Jul 8, 1997

US-PAT-NO: 5646008

DOCUMENT-IDENTIFIER: US 5646008 A

**** See image for Certificate of Correction ****

TITLE: Vertebrate apoptosis gene: compositions and methods

DATE-ISSUED: July 8, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thompson; Craig B.	Chicago	IL		
Boise; Lawrence H.	Chicago	IL		
Nunez; Gabriel	Ann Arbor	MI		

US-CL-CURRENT: 435/69.1; 435/253.3, 435/320.1, 435/325, 435/350, 435/354, 435/356,
435/358, 435/364, 435/365, 435/366, 435/367, 435/369, 536/23.5, 536/24.31, 536/24.33

ABSTRACT:

The invention relates generally to compositions of and methods for obtaining and using a polypeptide other than BCL-2 that affects programmed vertebrate cell death. The invention relates as well to polynucleotides encoding those polypeptides, recombinant vectors carrying those sequences, the recombinant host cells including either the sequences or vectors, and recombinant polypeptides. The invention further provides methods for using the isolated, recombinant polypeptides in assays designed to select and improve substances capable of altering programmed cell death for use in diagnostic, drug design and therapeutic applications.

12 Claims, 31 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 22

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw. Desc
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☐ 101. Document ID: US 5622852 A

L7: Entry 101 of 108

File: USPT

Apr 22, 1997

US-PAT-NO: 5622852

DOCUMENT-IDENTIFIER: US 5622852 A

**** See image for Certificate of Correction ****

TITLE: Bcl-x/Bcl-2 associated cell death regulator

DATE-ISSUED: April 22, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Korsmeyer; Stanley J.	Clayton	MO		

US-CL-CURRENT: 435/325; 435/252.3, 435/252.33, 435/254.11, 435/348, 536/23.4,
536/23.5, 536/24.31, 536/24.33

ABSTRACT:

The invention provides a bcl-2 related protein, Bad, Bad muteins, two-hybrid systems comprising interacting Bad polypeptide sequences, Bad polynucleotides, and uses thereof.

9 Claims, 34 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. Des.
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☐ 102. Document ID: US 5618531 A

L7: Entry 102 of 108

File: USPT

Apr 8, 1997

US-PAT-NO: 5618531

DOCUMENT-IDENTIFIER: US 5618531 A

TITLE: Method for increasing the viability of cells which are administered to the brain or spinal cord

DATE-ISSUED: April 8, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cherksey; Bruce D.	Hoboken	NJ		

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US-CL-CURRENT: 424/93.7; 424/93.1, 435/174, 435/176, 435/177, 435/180, 435/325

ABSTRACT:

A method for increasing the viability of viable cells which are administered to the brain or spinal cord of a mammalian subject. This method is accomplished by attaching the cell to a support matrix so that the cell attaches to the matrix surface, and implanting the support matrix with the attached cell into the brain or spinal cord. Preferred support matrices are glass or plastic microbeads, either solid or porous, having a diameter from about 90 to about 125 .mu.m. The method employs cells of different types, preferably cells of neural or paraneural origin, such as adrenal chromaffin cells. Also useful are cell lines grown in vitro. Cells not of neural or paraneural origin, such as fibroblasts, may also be used following genetic alteration to express a desired neural product such as a neurotransmitter or a neuronal growth factor. The method is used to treat neurological diseases such as Parkinson's disease, Alzheimer's disease, Huntington's disease, epilepsy, and traumatic brain injury.

20 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	KMC	Draw Des
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☐ 103. Document ID: US 5595904 A

L7: Entry 103 of 108

File: USPT

Jan 21, 1997

US-PAT-NO: 5595904

DOCUMENT-IDENTIFIER: US 5595904 A

TITLE: Family of map2 protein kinases

DATE-ISSUED: January 21, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boulton; Teri G.	Irving	TX		
Cobb; Melanie H.	Dallas	TX		
Yancopoulos; George D.	Elmhurst	NY		
Nye; Steven	New York	NY		
Panayotatos; Nikos	Orangeburg	NY		

US-CL-CURRENT: 435/325; 435/243, 435/252.8, 435/254.2, 435/320.1, 435/348, 435/353, 536/23.5

ABSTRACT:

The present invention relates to a newly identified family of protein serine/threonine kinases which phosphorylate microtubule-associated protein 2 (MAP2). It is based, in part, on the cloning and characterization of novel MAP2 kinases designated extracellular signal-regulated kinase 1, 2, and 3 (ERK1, ERK2, ERK3) which are expressed in the central nervous system, and on the identification of another ERK family member, ERK4, with antisera. The present invention provides for recombinant nucleic acid molecules and proteins representing members of the MAP2 kinase family, and also for microorganisms, transgenic animals, and cell lines comprising recombinant MAP2 kinase molecules. In additional embodiments of the invention, the

present invention provides for methods for assaying cellular factor activity, including, but not limited to, nerve growth factor activity, in which the activation of MAP2 kinase serves as an indicator of cellular factor activity. These methods may be extremely useful in screening compounds for the presence of a desired cellular factor activity. In specific embodiments, compounds which may be useful in the treatment of Alzheimer's disease, peripheral neuropathies, and diabetes may be identified using the methods of the invention.

20 Claims, 30 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Des
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☐ 104. Document ID: US 5589376 A

L7: Entry 104 of 108

File: USPT

Dec 31, 1996

US-PAT-NO: 5589376

DOCUMENT-IDENTIFIER: US 5589376 A

TITLE: Mammalian neural crest stem cells

DATE-ISSUED: December 31, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Stemple; Derek L.	Pasadena	CA		

US-CL-CURRENT: 435/325; 435/350, 435/351, 435/353, 435/363, 435/368

ABSTRACT:

The invention includes methods for the isolation and clonal propagation of mammalian neural crest stem cells and isolated cellular compositions comprising the same. The methods employ a novel separation and culturing regimen and bioassays for establishing the generation of neural crest stem cell derivatives. These methods result in the production of non-transformed neural crest stem cells and their progeny. The invention demonstrates, at the clonal level, the self regeneration and asymmetrical division of mammalian neural crest stem cells for the first time in feeder cell-independent cultures. Lineage restriction is demonstrated within a developing clone and is shown to be sensitive to the local environment. Neural crest stem cells cultured on a mixed substrate of poly-D-lysine and fibronectin generate PNS neurons and glia, but on fibronectin alone the stem cells generate PNS glia but not neurons. The neurogenic potential of the stem cells, while not expressed, is maintained over time on fibronectin. The invention further includes transplantation assays which allow for the identification of mammalian neural crest stem cells from various tissues. It also includes methods for transplanting mammalian neural crest stem cells and/or neural or glial progenitors into mammals.

10 Claims, 48 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Des
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☐ 105. Document ID: US 5578462 A

L7: Entry 105 of 108

File: USPT

Nov 26, 1996

US-PAT-NO: 5578462

DOCUMENT-IDENTIFIER: US 5578462 A

**** See image for Certificate of Correction ****

TITLE: NF2 isoforms

DATE-ISSUED: November 26, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Seizinger; Bernd R.	Stockton	NJ		
Kley; Nikolai A.	Princeton	NJ		
Bianchi; Albert B.	Princeton	NJ		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/352, 435/358, 435/365,
435/367, 530/350, 536/22.1, 536/23.1 , 536/23.5

ABSTRACT:

Novel human and mouse NF2 transcript isoforms and proteins encoded thereby, are disclosed. The isoforms are found in a variety of tissue and tumor types and represent differential processing of genomic DNA sequences, at the level of transcription, resulting in variant proteins. The isoforms provide useful tools for the analysis of the normal function of tumor suppressor factors, such as the merlin protein, and also provide useful markers for the detection of NF2 disease.

16 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 17

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 106. Document ID: US 5532156 A

L7: Entry 106 of 108

File: USPT

Jul 2, 1996

US-PAT-NO: 5532156

DOCUMENT-IDENTIFIER: US 5532156 A

TITLE: Hepatocyte cell line derived from the epiblast of pig blastocysts

DATE-ISSUED: July 2, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Talbot; Neil	Silver Spring	MD		
Rexroad, Jr.; Caird E.	Gambrills	MD		
Pursel; Vernon G.	Highland	MD		
Powell; Anne M.	Bowie	MD		

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US-CL-CURRENT: 435/325; 435/373, 435/379

ABSTRACT:

Continuous cultures of pluripotent parenchymal hepatocytes were derived from the epiblasts of pig blastocysts. The cultures are feeder-dependent and grow slowly with doubling times of 3 to 4 days. They differentiate into large secretory duct-like structures or form small canaliculi. Alternatively, the cells accumulate droplets that stain intensely with oil red O, a lipid-specific stain. .alpha.-Fetoprotein and albumin mRNA expression increases as the cells differentiate in culture.

5 Claims, 32 Drawing figures
Exemplary Claim Number: 1,3
Number of Drawing Sheets: 17

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw Des
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☐ 107. Document ID: US 5523226 A

L7: Entry 107 of 108

File: USPT

Jun 4, 1996

US-PAT-NO: 5523226

DOCUMENT-IDENTIFIER: US 5523226 A

**** See image for Certificate of Correction ****

TITLE: Transgenic swine compositions and methods

DATE-ISSUED: June 4, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wheeler; Matthew B.	Tolono	IL		

US-CL-CURRENT: 435/325; 424/9.1, 435/378, 435/7.23

ABSTRACT:

Transgenic swine, and compositions and methods for making and using same, are provided. Central to the invention are porcine (*Sus scrofa*) embryonic stem cell lines and methods for establishing them. Cells of such lines are transformed with exogenous genetic material of interest and then used to provide chimeric swine, which have germ cells comprising the exogenous genetic material. The chimeric swine are bred to provide transgenic swine. Transgenic swine of the invention can be used to provide human proteins or peptide hormones or can be used as xenograft donors.

5 Claims, 5 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw Des
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☐ 108. Document ID: US 5411883 A

L7: Entry 108 of 108

File: USPT

May 2, 1995

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US-PAT-NO: 5411883

DOCUMENT-IDENTIFIER: US 5411883 A

**** See image for Certificate of Correction ****

TITLE: Proliferated neuron progenitor cell product and process

DATE-ISSUED: May 2, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boss; Barbara D.	Alameda	CA		
Spector; Dennis H.	Oakland	CA		

US-CL-CURRENT: 435/29; 435/325, 435/368, 435/378

ABSTRACT:

This invention is based on the development of procedures for isolation and proliferation of neuron progenitor cells and is directed to growth, storage, production and implantation of proliferated neuron progenitor cells. The isolation and culture methods are designed to proliferate mammalian ventral mesencephalon neuron progenitor cells in vitro to produce a culture which differentiates to produce dopamine-producing cells. The products of this invention include a culture containing neuron progenitor cells, preferably, grown as aggregates in suspension cultures. The process of this invention for preparing neuron progenitor cells comprises obtaining ventral mesencephalon tissue from a donor at the appropriate stage of embryonic development; dissociation of the tissue to obtain single cells and small cell clusters for culture; culturing the neuron progenitor cells in an initial culture medium which selects for a novel cell culture containing neuron progenitor cells and growing the cells for a period of time in a second medium, during which the neuron progenitor cells proliferate.

16 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMID	Draw Desc
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☐ 1. Document ID: US 6780611 B1

L8: Entry 1 of 11

File: USPT

Aug 24, 2004

US-PAT-NO: 6780611

DOCUMENT-IDENTIFIER: US 6780611 B1

TITLE: Polynucleotide encoding neuromedin U receptor

DATE-ISSUED: August 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harland; Lee	Kent			GB

US-CL-CURRENT: 435/69.1; 435/252.3, 435/254.11, 435/320.1, 435/325, 536/23.5

ABSTRACT:

Polynucleotide and polypeptide sequences are described. The polypeptide sequences comprise one or more of: (a) a polypeptide having the deduced amino acid sequence translated from the polynucleotide sequence in SEQ ID NO: 1 and variants, fragments, homologues, analogues and derivatives thereof; (b) a polypeptide of SEQ ID NO: 2 and variants, fragments, homologues, analogues and derivatives thereof; or (c) a polypeptide encoded by the cDNA of NCIMB 41066 and variants, fragments, homologues, analogues and derivatives thereof.

8 Claims, 7 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KIND	Drawing Des
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☐ 2. Document ID: US 6777235 B1

L8: Entry 2 of 11

File: USPT

Aug 17, 2004

US-PAT-NO: 6777235

DOCUMENT-IDENTIFIER: US 6777235 B1

TITLE: Complementation trap

DATE-ISSUED: August 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Ong; Christopher J.	Vancouver	CA
Priatel; John J.	West Vancouver	CA
Jirik; Frank R.	Vancouver	CA

US-CL-CURRENT: 435/455; 435/320.1, 435/325, 435/462, 435/463, 435/465, 435/6,
536/23.2, 536/23.5, 536/23.7, 800/18

ABSTRACT:

Methods and DNA constructs are provided for detection and manipulation of a target eukaryotic gene whose expression is restricted to certain tissues or specialized cell types. The methods include transforming a cell with a first indicator component under the control of a promoter selected for its restricted expression in a particular cell or tissue. The cell is also transformed with a gene trap vector encoding a second indicator component. The cell is allowed to differentiate to produce specialized cell or tissue which is monitored for expression of both the first and second indicator components, thereby detecting a gene into which the trap vector has integrated which is expressed in the same cell or tissue type as the selected promoter.

13 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. Desc.
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☐ 3. Document ID: US 6777195 B2

L8: Entry 3 of 11

File: USPT

Aug 17, 2004

US-PAT-NO: 6777195

DOCUMENT-IDENTIFIER: US 6777195 B2

TITLE: Pharmaceutical dipeptide compositions and methods of use thereof:
immunostimulants

DATE-ISSUED: August 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kozhemyakin; Andrei L.	St. Petersburg			RU
Sinackevich; Nickolai V.	St. Petersburg			RU
Seryi; Sergey V.	St. Petersburg			RU
Rakhilov; Alexei M.	St. Petersburg			RU
Morozov; Vyacheslav G.	St. Petersburg			RU
Khavinson; Vladimir Kh.	St. Petersburg			RU

US-CL-CURRENT: 435/7.24; 435/325, 435/326

ABSTRACT:

Methods of treatment of subjects for decreasing cell mediated autoimmunity or humoral autoimmunity by administering an R'-Glu-Trp-R" pharmaceutical preparation useful in subjects having autoimmune diseases.

24 Claims, 16 Drawing figures

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Exemplary Claim Number: 1
Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw. Des.
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☐ 4. Document ID: US 6593133 B1

L8: Entry 4 of 11

File: USPT

Jul 15, 2003

US-PAT-NO: 6593133

DOCUMENT-IDENTIFIER: US 6593133 B1

TITLE: Neurotrophic factors

DATE-ISSUED: July 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Johansen; Teit E.	Horsholm			DK
Blom; Nikolaj	Copenhagen			DK
Hansen; Claus	Holbaek			DK

US-CL-CURRENT: 435/325; 435/252.1, 435/252.3, 435/320.1, 435/455, 435/471, 435/69.1,
435/91.1, 435/91.3, 530/350, 530/351, 536/23.1, 536/23.5

ABSTRACT:

The invention relates to neublastin neurotrophic factor polypeptides, nucleic acids encoding neublastin polypeptides, and antibodies that bind specifically to neublastin polypeptides, as well as methods of making and methods of using the same.

22 Claims, 19 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw. Des.
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☐ 5. Document ID: US 6558950 B1

L8: Entry 5 of 11

File: USPT

May 6, 2003

US-PAT-NO: 6558950

DOCUMENT-IDENTIFIER: US 6558950 B1

TITLE: Methods and reagents for modulating apoptosis

DATE-ISSUED: May 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shore; Gordon C.	Montreal			CA
Ng; Florence W. H.	Boston	MA		
Nguyen; Mai	Quebec			CA

h e b b g e e e f e h e f b e

Branton; Philip E.

Quebec

CA

US-CL-CURRENT: 435/375; 435/320.1, 435/325, 435/455, 435/7.1, 530/350, 536/23.4,
536/23.5

ABSTRACT:

The invention features p28 Bap31 polypeptides and nucleic acids. The invention also features methods for modulating apoptosis using these polypeptides and nucleic acids, and methods for identifying apoptosis-modulating compounds.

9 Claims, 24 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 20

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw Des
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☐ 6. Document ID: US 6500939 B1

L8: Entry 6 of 11

File: USPT

Dec 31, 2002

US-PAT-NO: 6500939

DOCUMENT-IDENTIFIER: US 6500939 B1

TITLE: cDNAs coding for human proteins having transmembrane domains

DATE-ISSUED: December 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kato; Seishi	Sagamihara			JP
Sekine; Shingo	Ageo			JP

US-CL-CURRENT: 536/23.1; 435/320.1, 435/325, 435/366

ABSTRACT:

The invention provides cDNAs coding for human proteins having transmembrane domains and eucaryotic cells expressing said cDNAs. The cDNAs of the invention can be utilized as probes for the gene diagnosis and gene sources for the gene therapy. Furthermore, the cDNAs can be utilized for large-scale expression of said proteins. Cells, wherein these membrane protein genes are introduced and membrane proteins are expressed in large amounts, can be utilized for detection of the corresponding ligands, screening of novel low-molecular pharmaceuticals, and so on.

12 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw Des
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☐ 7. Document ID: US 6485970 B1

L8: Entry 7 of 11

File: USPT

Nov 26, 2002

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US-PAT-NO: 6485970

DOCUMENT-IDENTIFIER: US 6485970 B1

**** See image for Certificate of Correction ****

TITLE: Immunointeractive antibody

DATE-ISSUED: November 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cone; Robert E.	Unionville	CT	06085	
Georgiou; George M.	Fawkner, Victoria			AU
Little; Colin H.	Glen Waverley, Victoria			AU

US-CL-CURRENT: 435/335; 424/130.1, 424/137.1, 424/141.1, 424/152.1, 424/153.1,
424/154.1, 424/156.1, 424/158.1, 424/172.1, 424/173.1, 424/178.1, 435/325, 435/326,
435/329, 435/332, 435/337, 435/343, 435/343.1, 435/343.2, 435/344.1, 435/346,
530/387.1, 530/387.5, 530/388.1, 530/388.2, 530/388.23, 530/388.25, 530/388.7,
530/388.73, 530/388.75, 530/388.85

ABSTRACT:

The present invention relates generally to immunointeractive molecules and their use inter alia in the detection and/or purification of T-cell antigen binding molecules (TABMs). The ability to determine the presence and levels of particular TABMs provides a useful diagnostic procedures for a variety of disease conditions.

5 Claims, 61 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 60

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Des
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☐ 8. Document ID: US 6479283 B1

L8: Entry 8 of 11

File: USPT

Nov 12, 2002

US-PAT-NO: 6479283

DOCUMENT-IDENTIFIER: US 6479283 B1

TITLE: Stimulation, culture and preservation of pancreatic cells

DATE-ISSUED: November 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
M.ang.nsson; Per	Sollentuna			SE
Lundin; Tomas	Enkoping			SE
Busch; Christer	Troms.o slashed.			SE

US-CL-CURRENT: 435/325; 435/366, 435/404

ABSTRACT:

A method for stimulating pancreatic cells to synthesize and/or excrete insulin

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comprises contacting insulin-producing cells, in particular their aqueous suspension, with a water-soluble cellulose derivative, in particular selected from alkylated, hydroxyalkylated, and alkylated-hydroxyalkylated cellulose or a mixture thereof. A medium for the culture of pancreatic .beta.-cells contains an effective cell-stimulating amount of a cellulose derivative. It can be used to stimulate pancreatic .beta.-cells to produce and/or excrete insulin. An apparatus for such stimulation comprises a container holding a solution of a cellulose derivative in an aqueous culture medium. Stimulation of pancreatic .beta.-cells by a cellulose derivative is useful in the management of diabetes. Further preservative or therapeutic methods using the aqueous cellulose derivatives are disclosed.

16 Claims, 7 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KODC	Drawing Des
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9. Document ID: US 6436701 B1

L8: Entry 9 of 11

File: USPT

Aug 20, 2002

US-PAT-NO: 6436701
DOCUMENT-IDENTIFIER: US 6436701 B1

TITLE: Derivation of pluripotential embryonic cell lines from ungulate species

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Evans; Martin John	Cambridge			GB
Moor; Robert Michael	Babraham			GB
Notaranni; Elena	Cambridge			GB

US-CL-CURRENT: 435/325; 435/383, 435/391, 435/392

ABSTRACT:

A method of selecting and growing pluripotential embryonic stem cells isolated from an ungulate species blastocysts of embryos that develop by way of an embryonic disc is disclosed. The method comprises growing blastocysts in tissue culture growth medium which includes both heat-inactivated new born calf serum and heat-inactivated fetal calf serum; disaggregating the blastocysts either after spontaneous hatching or after mechanical removal of the zone pellucida; growing stem cell colonies from the disaggregated cells in issue culture growth medium; selecting stem cell colonies by morphological characteristics; and growing the selected stem cells in tissue culture growth medium. The cells are round cells, tightly packed with large nuclei in relation to cytoplasm, and fairly prominent nucleoli. They grow in tightly adherent coloedes and as the colonies get larger the cells tend to flatten out in the center of the colony. The outer, less flattened cells of a larger colony or all the cells of a smaller colony without central flattening are readily disaggregated by trypsinization into small spherical cells which have a bright phase contrast appearance, and if observed after a short time of incubation at 37.degree. C. they show lobular pseudopodia.

2 Claims, 15 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 7

h e b b g e e e f e h e f b e

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw. Des.
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☐ 10. Document ID: US 6337072 B1

L8: Entry 10 of 11

File: USPT

Jan 8, 2002

US-PAT-NO: 6337072

DOCUMENT-IDENTIFIER: US 6337072 B1

TITLE: Interleukin-1 receptor antagonist and recombinant production thereof

DATE-ISSUED: January 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ford; John	San Mateo	CA		
Pace; Ann	Scotts Valley	CA		

US-CL-CURRENT: 424/198.1; 424/1.69, 435/252.3, 435/320.1, 435/325, 435/69.1,
435/69.52, 514/2, 530/350, 530/351, 530/402 , 536/23.5

ABSTRACT:

The present invention provides novel nucleic acids, the novel polypeptide sequences encoded by these nucleic acids and uses thereof. These novel polynucleotide and polypeptide sequences were determined to be a novel Interleukin-1 Receptor Antagonist.

37 Claims, 4 Drawing figures

Exemplary Claim Number: 1,15

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw. Des.
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☐ 11. Document ID: US 6228610 B1

L8: Entry 11 of 11

File: USPT

May 8, 2001

US-PAT-NO: 6228610

DOCUMENT-IDENTIFIER: US 6228610 B1

**** See image for Certificate of Correction ****

TITLE: Human metabotropic glutamate receptor subtypes (hmR4, hmR6, hmR7) and related DNA compounds

DATE-ISSUED: May 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Flor; Peter Josef	Freiburg			DE
Kuhn; Rainer	Lorrach			DE
Lindauer; Kristin	Basel			CH

h e b b g e e e f e h e f b e

Puttner; Irene	Basel	CH
Knopfel; Thomas	Rheinfelden	CH

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/7.1, 530/350, 536/23.5

ABSTRACT:

The present invention relates to human metabotropic glutamate receptor (hmGluR) proteins, isolated nucleic acids coding therefor, host cells producing the proteins of the invention, methods for the preparation of such proteins, nucleic acids and host cells, and uses thereof.

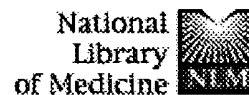
18 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMIC	Draw Desc
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









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

















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
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
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
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
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








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
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
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
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
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
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













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
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
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
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
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
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
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
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
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





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















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
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
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
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

















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
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
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
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
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
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
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









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
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
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
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
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
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
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
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
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



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
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
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
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
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
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
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
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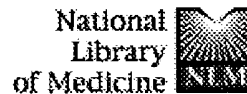
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U.S. Department of Agriculture, Beltsville Agricultural Research Center,
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Pig epiblast cells that had been separated from other early embryonic cells were cultured in vitro. A three-step dissection protocol was used to isolate the epiblast from trophectoderm and primitive endoderm before culturing. Blastocysts collected at 7 to 8 days postestrus were immunodissected to obtain the inner cell mass (ICM) and destroy trophectodermal cells. The ICM was cultured for 2 to 3 days on STO feeder cells. The epiblast was then physically dissected free of associated primitive endoderm. Epiblast-derived cells, grown on STO feeders, produced colonies of small cells resembling mouse embryonic stem cells. This primary cell morphology changed as the colonies grew and evolved into three distinct colony types (endodermlike, neural rosette, or complex). Cell cultures derived from these three colony types spontaneously differentiated into numerous specialized cell types in STO co-culture. These included fibroblasts, endodermlike cells, neuronlike cells, pigmented cells, adipogenic cells, contracting muscle cells, dome-forming epithelium, ciliated epithelium, tubule-forming epithelium, and a round amoeboid cell type resembling a plasmacyte after Wright staining. The neuronlike cells, contracting muscle cells, and tubule-forming epithelium had normal karyotypes and displayed finite or undefined life spans upon long-term STO co-culture. The dome-forming epithelium had an indefinite life span in STO co-culture and also retained a normal karyotype. These results demonstrate the in vitro pluripotency of pig epiblast cells and indicate the epiblast can be a source for deriving various specialized cell cultures or cell lines.

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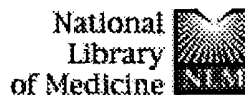
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

















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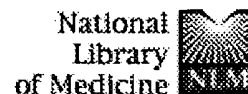
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
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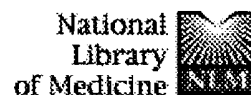
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Laboratoire de Biologie Cellulaire et Moléculaire, INRA, Jouy-En-Josas, France.

We have established in culture a feeder-dependent cell line, termed TE1, from a 9 day, pre-implantation, porcine embryo. TE1 cells were observed by light and electron microscopy, and characterized by immunocytochemistry: the morphology, cytology and ultrastructure of this cell line are described. The cells display epithelial characteristics, as revealed using immunofluorescence microscopy with antibody against cytokeratins of simple epithelia, but not with antibody against vimentin. The cells demonstrate many morphological and cytochemical features in common with trophectoderm of the intact porcine blastocyst. For example, TE1 cells are polarized and possess tight junctions at their borders, similar to those found in trophectoderm of the pre-implantation embryo. Moreover, TE1 cells label positively for the porcine trophectoderm-specific monoclonal antibody, SN1/38. Thus, by several important criteria TE1 is deduced to be a porcine trophectoderm cell line.

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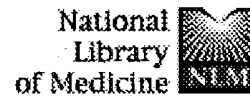
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
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
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
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
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

















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
















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
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
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
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
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
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
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














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
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
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
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
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









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













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
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
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



















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








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
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
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




















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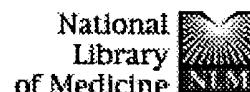
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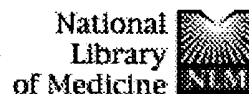
Korsgren O, Sandler S, Landstrom AS, Jansson L, Andersson A.

Department of Medical Cell Biology, Uppsala University, Sweden.

A recently described method for the preparation of isletlike cell clusters (ICC) from human fetal pancreas has been applied to the fetal pig with the ultimate aim of large-scale production of ICC. Fetuses ranging in age from 51 to 77 days were used, and after a brief collagenase-incubation the pancreatic digest was plated into culture dishes containing medium RPMI 1640 supplemented with either 10% fetal calf serum (FCS) or human serum (HS). HS seemed to increase the number of ICC formed as compared to that obtained with FCS. A total of more than 100,000 ICC were produced from each of 3 litters, ages 67-77 days, after culture in the presence of HS. The DNA content of such ICC was reduced by about 50% as compared to those maintained with FCS supplementation. Immunocytochemical staining revealed insulin- and glucagon-positive cells scattered among a majority of nonstained cells within the cell clusters. ICC maintained in either FCS or HS displayed significant rates of (pro)insulin biosynthesis in vitro and an increased insulin release when exposed to 16.7 mM glucose plus 5 mM theophylline. Four weeks after implantation, ICC grafted under the kidney capsule of nondiabetic nude mice contained frequent insulin- and glucagon-positive cells. In 2 nude mice transplanted with ICC, the functional capacity of the graft was tested by perfusing the graft-bearing kidney. When the perfusion fluid was changed from one containing 2.8 mM glucose to one containing 16.7 mM glucose +/- 5 mM theophylline, the secretion of insulin increased within a few min. It is concluded that the fetal porcine pancreas can be used for large-scale production of ICC, which have a very consistent, but immature functional capacity. Because of their inherent growth and differentiation properties, fetal porcine ICC constitute a potential source of xenogenic islet grafts intended for human diabetics.

PMID: 3279571 [PubMed - indexed for MEDLINE]

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Pig fetal pancreatic monolayers. A model of potential use in transplantation.

Simpson AM, Tuch BE, Vincent PC.

Department of Medicine, University of Sydney, New South Wales, Australia.

Endocrine-rich monolayers of pig fetal pancreas that are free of fibroblasts have been established with the ultimate aim of providing guidelines for the culture of the human equivalent. The immunogenic potential of the monolayers--hence their capacity to be grafted--has also been analyzed. Fetuses ranging from 50 to 90 days were used, and, following digestion with collagenase (4 mg/ml, 15-20 min), the pancreatic suspension was plated onto tissue culture vessels containing RPMI 1640. The fetal calf serum concentration was kept low (5%) initially to inhibit fibroblast proliferation, but subsequently increased to 7%. Monolayers from a typical litter of 8-10 fetal pigs produced 6-8 x 10(8) viable epithelial cells by day 10 of culture, of which 75% were endocrine cells. This represents an 8-fold increase in a two-week period. The ratio of beta:alpha:delta:pancreatic polypeptide cells was 19:33:18:5. These monolayers synthesized both DNA, (pro)insulin and protein, and displayed increased insulin release when exposed to 10 mM theophylline, 10 mM Ca2+ and 1.3 microM 12-O-tetradecanoyl-phorbol-13-acetate. Static stimulation with 20 mM glucose however, did not elicit a response in insulin secretion. These cells displayed no reaction to allogeneic lymphocytes in a mixed lymphocyte culture, whereas freshly obtained porcine epithelial cells did. Methods may need to be found to increase the proportion of B cells in this enriched endocrine cell population. In general however, guidelines have been established that may be useful in developing a monolayer of human fetal pancreatic cells with the eventual aim of transplantation. The reduction in immunogenicity of the pig fetal pancreatic cells suggests that they too might be a potential source for transplantation.

PMID: 2193444 [PubMed - indexed for MEDLINE]

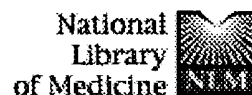
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Porcine neonatal pancreatic cell clusters (NPCCs): a potential source of tissue for islet transplantation.

Weir GC, Quickel RR, Yoon KH, Tatarkiewicz K, Ulrich TR, Hollister-Lock J, Bonner-Weir S.

Joslin Diabetes Center, Boston, Massachusetts, USA.

WeirG@joslab.harvard.edu

This is a short review of porcine neonatal pancreatic cell clusters (NPCCs) which might eventually be useful for beta cell replacement therapy in people with diabetes. The current success with islet allograft transplantation is reviewed and is problematic because only partial success has been obtained and the shortage of human islet tissue means that only a small fraction of people with diabetes would be able to benefit. For these reasons there is considerable interest in xenotransplantation, with pigs being a particularly attractive source. The relative merits of early fetal, late fetal, neonatal and adult porcine tissue are discussed. Neonatal tissue has several attractive features, with their hardiness and potential for growth being especially noteworthy. NPCCs are harvested after digested and dispersed clumps of cells are kept in culture for 7 days. The NPCCs consist mainly of duct cells, protodifferentiated cells and mature endocrine cells. The protodifferentiated cells are either double or triple stained for insulin, cytokeratin 7, glucagon, pancreatic polypeptide, or somatostatin. When transplanted into diabetic nude mice it usually takes weeks before glucose levels are normalized, and during that time differentiation and growth of the graft can be observed. Potential strategies for controlling xenograft rejection are mentioned, with these being immunosuppression, induction of tolerance, immunobarrier devices, and gene transfer approaches.

Publication Types:

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Krikun BL, Amchenkova AM.

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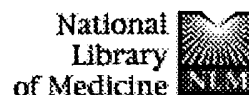
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The pancreatic epithelial cell in vitro: a possible model system for studies in carcinogenesis.

Hay RJ.

A technique is described for the isolation and maintenance in culture of pancreatic epithelial cells from human embryos or neonatal guinea pigs. Dissociated cells from human material were essentially uncharacterized. Those obtained from guinea pig pancreas were subjected to centrifugal fractionation, and the resulting populations consisted of up to 95% exocrine cells. Suspensions of dissociated cells were incubated with gyration for 16 to 18 hr, and cell aggregated that formed were placed in stationary culture. Two-dimensional colonial aggregates developed on the plastic substratum. Cells comprising such colonies formed junctional complexes and could be maintained for 20 to 40 days in vitro. This system may provide a useful model for studies on pancreatic exocrine cell physiology and carcinogenesis.

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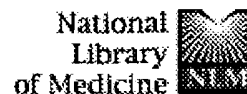
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Transdifferentiation of retinal pigment epithelial cells from epithelial to mesenchymal phenotype.

Grisanti S, Guidry C.

Department of Ophthalmology, University of Alabama at Birmingham 35294.

PURPOSE. To describe and evaluate retinal pigment epithelial (RPE) cell transdifferentiation in vitro and to determine its importance to the development of proliferative vitreoretinal disorders. **METHODS.** Porcine RPE cells from single animals were examined at different passages in culture. The authors examined cellular morphology, contraction of a collagenous matrix, and adhesion to fibronectin and type I collagen-coated substrata. These activities were correlated with loss of epithelial characteristics, redistribution of the actin cytoskeleton, and expression of alpha-smooth muscle actin (alpha-SMA), a marker of myoid differentiation. **RESULTS.** During routine culture on tissue culture plastic, porcine RPE cells lose epithelial characteristics and acquire a mesenchymal cell-like phenotype. The ability of cultured porcine RPE cells to adhere to and exert tractional forces on an extracellular matrix increases with continued passage in vitro and transdifferentiation. This correlates with the loss of the differentiated epithelial morphology, decreased expression of the epithelial marker cytokeratin 18, redistribution of the actin cytoskeleton, and de novo expression of alpha-SMA. **CONCLUSION.** Results indicate that RPE transdifferentiate in culture and that this transition is accompanied by a shift in biologic activities. Therefore, morphologic and behavioral transdifferentiation of these cells in culture are influencing factors in experimental pathology. The potential relevance of these extensive changes to the biology of proliferative vitreoretinal disorders is discussed.

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FILE 'USPAT2' ENTERED AT 12:09:41 ON 24 AUG 2004
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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

=> S porcine AND fetal AND culture
30 FILES SEARCHED...
62 FILES SEARCHED...
L6 10286 PORCINE AND FETAL AND CULTURE

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L7 8287 DUP REM L6 (1999 DUPLICATES REMOVED)

=> S L7 AND macrophage
26 FILES SEARCHED...
53 FILES SEARCHED...
64 FILES SEARCHED...
L8 2757 L7 AND MACROPHAGE

=> S L8 AND microglia
50 FILES SEARCHED...
L9 99 L8 AND MICROGLIA

=> D L9 1-99

L9 ANSWER 1 OF 99 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 2000:3449 BIOSIS
DN PREV200000003449
TI Expression of major histocompatibility complex antigens and induction of
human T-lymphocyte proliferation by astrocytes and ***macrophages***
from ***porcine*** ***fetal*** brain.
AU Brevig, Thomas [Reprint author]; Kristensen, Tom; Zimmer, Jens
CS Department of Clinical Immunology, Odense University Hospital, DK-5000,
Odense C, Denmark
SO Experimental Neurology, (Oct., 1999) Vol. 159, No. 2, pp. 474-483. print.
CODEN: EXNEAC. ISSN: 0014-4886.
DT Article
LA English
ED Entered STN: 23 Dec 1999
Last Updated on STN: 31 Dec 2001

L9 ANSWER 2 OF 99 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:554453 CAPLUS
DN 134:236126
TI Induction of human T-cell proliferation by ***porcine*** ***fetal***
brain cells: role of astrocytes and ***macrophages*** /
microglia
AU Brevig, T.; Kristensen, T.; Zimmer, J.
CS Department of Anatomy and Neurobiology, USD-Odense Univ., Odense
University Hospital, Odense, Den.
SO Transplantation Proceedings (2000), 32(5), 961-962
CODEN: TRPPA8; ISSN: 0041-1345
PB Elsevier Science Inc.
DT Journal
LA English
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 99 PROMT COPYRIGHT 2004 Gale Group on STN
ACCESSION NUMBER: 97:342112 PROMT
TITLE: Neuroprotection - the next breakthrough?
AUTHOR(S): Sek Jin Chew
SOURCE: Ophthalmology Times, (1 Jun 1997) pp. 4.
ISSN: 0193-032X.
LANGUAGE: English
WORD COUNT: 2390
FULL TEXT IS AVAILABLE IN THE ALL FORMAT

L9 ANSWER 4 OF 99 USPATFULL on STN
AN 2004:197578 USPATFULL
TI Lp mammalian proteins; related reagents
IN Amegadzie, Bernard Yaovi, Malvern, PA, UNITED STATES
Basinski, Margaret Barbara, Indianapolis, IN, UNITED STATES
Scott, William L., Indianapolis, IN, UNITED STATES LR
Chen, Dayue, Carmel, IN, UNITED STATES
Huang, Chongxi, Indianapolis, IN, UNITED STATES
Keleher, Gerald Patrick, Indianapolis, IN, UNITED STATES
Perkins, Douglas Raymond, New Palestine, IN, UNITED STATES
Rosteck, Paul Robert, Indianapolis, IN, UNITED STATES
Rowlinson, Scott William, Indianapolis, IN, UNITED STATES
Sankhavaram, Patanjali Raghavac, Carmel, IN, UNITED STATES
Seno, Eugene Thomas, Weybridge, VT, UNITED STATES
Su, Eric Wen, Carmel, IN, UNITED STATES
Zhi, Yu, Indianapolis, IN, UNITED STATES
PI US 2004152885 A1 20040805
AI US 2003-480172 A1 20030827 (10)
WO 2002-US5093 20020301
DT Utility
FS APPLICATION
LN.CNT 12032
INCL INCLM: 536/023.500
NCL NCLM: 536/023.500
IC [7]
ICM: C12Q001-68
ICS: C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 5 OF 99 USPATFULL on STN
AN 2004:177803 USPATFULL
TI ***Cultures*** , products and methods using stem cells

IN Weiss, Mark L., Manhattan, KS, UNITED STATES
 Troyer, Deryl L., Manhattan, KS, UNITED STATES
 Davis, Duane, Westmoreland, KS, UNITED STATES
 Mitchell, Kathy E., Manhattan, KS, UNITED STATES
 PA Kansas State University Research Foundation, Manhattan, KS (U.S.
 corporation)
 PI US 2004136967 A1 20040715
 AI US 2003-647361 A1 20030825 (10)
 RLI Continuation-in-part of Ser. No. US 2002-83779, filed on 25 Feb 2002,
 ABANDONED
 DT Utility
 FS APPLICATION
 LN.CNT 2691
 INCL INCLM: 424/093.700
 INCLS: 435/372.000
 NCL NCLM: 424/093.700
 NCLS: 435/372.000
 IC [7]
 ICM: C12N005-08

L9 ANSWER 6 OF 99 USPATFULL on STN
 AN 2004:158160 USPATFULL
 TI Use of A33 antigens JAM-it
 IN Ashkenazi, Avi, San Mateo, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Napier, Mary A., Hillsborough, CA, UNITED STATES
 Tumas, Daniel, Orinda, CA, UNITED STATES
 Lookeren, Menno Van, San Francisco, CA, UNITED STATES
 Wood, William I., Hillsborough, CA, UNITED STATES
 PI US 2004120957 A1 20040624
 AI US 2003-633008 A1 20030731 (10)
 RLI Continuation-in-part of Ser. No. US 2002-265542, filed on 3 Oct 2002,
 PENDING Continuation-in-part of Ser. No. WO 2000-US4414, filed on 22 Feb
 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US14042, filed on
 22 May 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US32678,
 filed on 1 Dec 2000, PENDING Continuation-in-part of Ser. No. US
 1999-254465, filed on 5 Mar 1999, GRANTED, Pat. No. US 6410708
 Continuation-in-part of Ser. No. WO 1999-US5028, filed on 8 Mar 1999,
 PENDING Continuation-in-part of Ser. No. US 1999-380138, filed on 25 Aug
 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-380139, filed
 on 25 Aug 1999, ABANDONED Continuation-in-part of Ser. No. WO
 1998-US19330, filed on 16 Sep 1998, PENDING Continuation-in-part of Ser.
 No. US 2001-953499, filed on 14 Sep 2001, PENDING Continuation of Ser.
 No. WO 1998-US24855, filed on 20 Nov 1998, PENDING
 DT Utility
 FS APPLICATION
 LN.CNT 6476
 INCL INCLM: 424/146.100
 NCL NCLM: 424/146.100
 IC [7]
 ICM: A61K039-395
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 7 OF 99 USPATFULL on STN
 AN 2004:145250 USPATFULL
 TI Nucleic acid binding polypeptides
 IN Moore, Michael, Amersham, UKRAINE
 Isalan, Mark, East Sheen, UKRAINE
 Reynolds, Lindsey, Hertsfordshire, UKRAINE
 Ullman, Christopher, Cambridge, MA, UNITED STATES
 Girdlestone, John, East Finchley, UKRAINE
 Demaison, Christophe, Stoke Newington, UKRAINE
 Choo, Yen, Sydney Street, UKRAINE
 PI US 2004110923 A1 20040610
 AI US 2004-470065 A1 20040205 (10)
 WO 2002-GB246 20020122
 PRAI GB 2001-1576 20010122
 GB 2001-3032 20010207
 DT Utility
 FS APPLICATION
 LN.CNT 3064
 INCL INCLM: 530/350.000
 NCL NCLM: 530/350.000
 IC [7]

ICM: C07K014-705
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 8 OF 99 USPATFULL on STN
AN 2004:138952 USPATFULL
TI Neurotransmission-associated proteins
IN Duggan, Brendan M, Sunnyvale, CA, UNITED STATES
Honchell, Cynthia D, San Carlos, CA, UNITED STATES
Ison, Craig H, San Jose, CA, UNITED STATES
Thangavelu, Kavitha, Sunnyvale, CA, UNITED STATES
Lu, Dyung Aina M, San Jose, CA, UNITED STATES
Baughn, Mariah R, Los Angeles, CA, UNITED STATES
Lal, Preeti G, Santa Clara, CA, UNITED STATES
Yue, Henry, Sunnyvale, CA, UNITED STATES
Tang, Y Tom, San Jose, CA, UNITED STATES
Warren, Bridget A, San Marcos, CA, UNITED STATES
Lee, Ernestine A, Castro Valley, CA, UNITED STATES
Griffin, Jennifer A, Fremont, CA, UNITED STATES
Forsythe, Ian J, Edmonton, CANADA
Chawla, Narinder K, Union City, CA, UNITED STATES
Jiang, Xin, Saratoga, CA, UNITED STATES
Jackson, Alan A, Los Gatos, CA, UNITED STATES
PI US 2004106125 A1 20040603
AI US 2003-468334 A1 20030815 (10)
WO 2002-US4536 20020215
DT Utility
FS APPLICATION
LN.CNT 7920
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 530/388.220;
424/143.100
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 530/388.220;
424/143.100
IC [7]
ICM: C12Q001-68
ICS: A61K039-395; C07K014-705
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 9 OF 99 USPATFULL on STN
AN 2004:133839 USPATFULL
TI Use of rgm and its modulators
IN Mueller, Bernhard K, Neustadt, GERMANY, FEDERAL REPUBLIC OF
Monnier, Philippe P, Toronto, CANADA
Macchi, Paolo, Tübingen, GERMANY, FEDERAL REPUBLIC OF
Bonhoeffer, Friedrich, Tübingen, GERMANY, FEDERAL REPUBLIC OF
Stahl, Bernd, Tübingen, GERMANY, FEDERAL REPUBLIC OF
Mann, Matthias, Odense M, DENMARK
Anderson, Jons S, Odense SO, DENMARK
PI US 2004102376 A1 20040527
AI US 2003-451586 A1 20031208 (10)
WO 2001-EP15289 20011221
PRAI EP 2000-128356 20001222
DT Utility
FS APPLICATION
LN.CNT 2154
INCL INCLM: 514/012.000
INCLS: 514/044.000
NCL NCLM: 514/012.000
NCLS: 514/044.000
IC [7]
ICM: A61K048-00
ICS: A61K038-17
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 10 OF 99 USPATFULL on STN
AN 2004:113656 USPATFULL
TI Immune privileged cells for delivery of proteins and peptides
IN John, Constance Mary, San Francisco, CA, UNITED STATES
PI US 2004086494 A1 20040506
AI US 2001-941398 A1 20010828 (9)
RLI Continuation-in-part of Ser. No. US 1998-131501, filed on 9 Aug 1998,
ABANDONED Continuation-in-part of Ser. No. US 1996-726531, filed on 7
Oct 1996, ABANDONED
DT Utility
FS APPLICATION

LN.CNT 4805
INCL INCLM: 424/093.210
INCLS: 435/366.000
NCL NCLM: 424/093.210
NCLS: 435/366.000
IC [7]
ICM: A61K048-00
ICS: C12N005-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 11 OF 99 USPATFULL on STN
AN 2004:94213 USPATFULL
TI Method for therapeutically treating a clinically recognized form of
cardiopathology in a living mammal
IN Xiao, Yong-Fu, Wayland, MA, UNITED STATES
Morgan, James P., Newton Centre, MA, UNITED STATES
PI US 2004071665 A1 20040415
AI US 2003-438574 A1 20030515 (10)
RLI Continuation of Ser. No. WO 2002-US7555, filed on 14 Mar 2002, PENDING
Continuation-in-part of Ser. No. US 2000-684679, filed on 7 Oct 2000,
GRANTED, Pat. No. US 6607720 Continuation-in-part of Ser. No. US
2000-655124, filed on 5 Sep 2000, GRANTED, Pat. No. US 6534052
DT Utility
FS APPLICATION
LN.CNT 4010
INCL INCLM: 424/093.700
NCL NCLM: 424/093.700
IC [7]
ICM: A61K048-00

L9 ANSWER 12 OF 99 USPATFULL on STN
AN 2004:44501 USPATFULL
TI Proteins and nucleic acids encoding same
IN Tchernev, Velizar T., Branford, CT, UNITED STATES
Spytek, Kimberly A., New Haven, CT, UNITED STATES
Zerhusen, Bryan D., Branford, CT, UNITED STATES
Patturajan, Meera, Branford, CT, UNITED STATES
Shimkets, Richard A., West Haven, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
Gangolli, Esha A., Madison, CT, UNITED STATES
Padigaru, Muralidhara, Branford, CT, UNITED STATES
Anderson, David W., Branford, CT, UNITED STATES
Rastelli, Luca, Guilford, CT, UNITED STATES
Miller, Charles E., Hill Drive, CT, UNITED STATES
Gerlach, Valerie, Branford, CT, UNITED STATES
Taupier, Raymond J., JR., East Haven, CT, UNITED STATES
Gusev, Vladimir Y., UNITED STATES
Colman, Steven D., Guilford, CT, UNITED STATES
Wolenc, Adam Ryan, New Haven, CT, UNITED STATES
Pena, Carol E. A., Guilford, CT, UNITED STATES
Furtak, Katarzyna, Anosia, CT, UNITED STATES
Grosse, William M., Bransford, CT, UNITED STATES
Alsobrook, John P., II, Madison, CT, UNITED STATES
Lepley, Denise M., Branford, CT, UNITED STATES
Rieger, Daniel K., Branford, CT, UNITED STATES
Burgess, Catherine E., Wethersfield, CT, UNITED STATES
PI US 2004033493 A1 20040219
AI US 2002-72012 A1 20020131 (10)
PRAI US 2001-267459P 20010208 (60)
US 2001-266975P 20010207 (60)
US 2001-267057P 20010207 (60)
US 2001-266767P 20010205 (60)
US 2001-266406P 20010202 (60)
US 2001-265395P 20010131 (60)
US 2001-265412P 20010131 (60)
US 2001-265517P 20010131 (60)
US 2001-265514P 20010131 (60)
US 2001-267823P 20010209 (60)
US 2001-268974P 20010215 (60)
US 2001-271855P 20010227 (60)
US 2001-271839P 20010227 (60)
US 2001-273046P 20010302 (60)
US 2001-272788P 20010302 (60)
US 2001-275989P 20010314 (60)
US 2001-275925P 20010314 (60)
US 2001-275947P 20010314 (60)

US	2001-275950P	20010314 (60)
US	2001-276450P	20010315 (60)
US	2001-276448P	20010315 (60)
US	2001-276397P	20010316 (60)
US	2001-276768P	20010316 (60)
US	2001-278652P	20010320 (60)
US	2001-278775P	20010326 (60)
US	2001-278778P	20010326 (60)
US	2001-279882P	20010329 (60)
US	2001-279884P	20010329 (60)
US	2001-280147P	20010330 (60)
US	2001-283083P	20010411 (60)
US	2001-282992P	20010411 (60)
US	2001-285133P	20010420 (60)
US	2001-285749P	20010423 (60)
US	2001-288327P	20010503 (60)
US	2001-288504P	20010503 (60)
US	2001-294047P	20010529 (60)
US	2001-294473P	20010530 (60)
US	2001-296964P	20010608 (60)
US	2001-298959P	20010618 (60)
US	2001-299324P	20010619 (60)
US	2001-312020P	20010813 (60)
US	2001-312908P	20010816 (60)
US	2001-312889P	20010816 (60)
US	2001-313930P	20010821 (60)
US	2001-315470P	20010828 (60)
US	2001-316447P	20010831 (60)
US	2001-318115P	20010907 (60)
US	2001-318118P	20010907 (60)
US	2001-318740P	20010912 (60)
US	2001-323379P	20010919 (60)
US	2001-330308P	20011018 (60)
US	2001-330245P	20011018 (60)
US	2001-332701P	20011114 (60)
US	2001-271664P	20010226 (60)

DT Utility

FS APPLICATION

LN.CNT 59681

INCL INCLM: 435/006.000

INCLS: 435/007.230; 435/069.300; 435/320.100; 435/325.000; 530/350.000;
536/023.200; 435/183.000; 424/155.100

NCL NCLM: 435/006.000

NCLS: 435/007.230; 435/069.300; 435/320.100; 435/325.000; 530/350.000;
536/023.200; 435/183.000; 424/155.100

IC [7]

ICM: C12Q001-68

ICS: G01N033-574; C07H021-04; A61K039-395; C12N009-00; C12P021-02;

C12N005-06; C07K014-47

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 13 OF 99 USPATFULL on STN

AN 2004:13033 USPATFULL

TI Novel 27411, 23413, 22438, 23553, 25278, 26212, NARC SC1, NARC 10A, NARC 1, NARC 12, NARC 13, NARC17, NARC 25, NARC 3, NARC 4, NARC 7, NARC 8, NARC 11, NARC 14A, NARC 15, NARC 16, NARC 19, NARC 20, NARC 26, NARC 27, NARC 28, NARC 30, NARC 5, NARC 6, NARC 9, NARC 10C, NARC 8B, NARC 9, NARC2A, NARC 16B, NARC 1C, NARC1A, NARC 25, 86604 and 32222 molecules and uses therefor

IN Glucksmann, Maria A., Lexington, MA, UNITED STATES

Williamson, Mark J., Saugus, MA, UNITED STATES

Tsai, Fong-Ying, Newton, MA, UNITED STATES

Rudolph-Owen, Laura A., Medford, MA, UNITED STATES

Kapeller-Libermann, Rosanna, Chestnut Hill, MA, UNITED STATES

Meyers, Rachel E., Newton, MA, UNITED STATES

Chiang, Lillian Wei-Ming, Edison, NJ, UNITED STATES

Hunter, John Joseph, Somerville, MA, UNITED STATES

PA Millennium Pharmaceuticals, Inc. (U.S. corporation)

PI US 2004009553 A1 20040115

AI US 2003-426776 A1 20030430 (10)

RLI Continuation-in-part of Ser. No. US 2002-229662, filed on 28 Aug 2002, PENDING Division of Ser. No. US 2001-795691, filed on 28 Feb 2001, GRANTED, Pat. No. US 6465230 Continuation-in-part of Ser. No. US 2002-105992, filed on 25 Mar 2002, PENDING Continuation of Ser. No. US 1999-406045, filed on 27 Sep 1999, GRANTED, Pat. No. US 6451994 Continuation-in-part of Ser. No. US 2002-314881, filed on 9 Dec 2002,

PENDING Continuation of Ser. No. US 2001-773426, filed on 31 Jan 2001,
GRANTED, Pat. No. US 6534302 Continuation-in-part of Ser. No. US
2000-495823, filed on 31 Jan 2000, PENDING Continuation-in-part of Ser.
No. US 2000-692785, filed on 20 Oct 2000, PENDING Continuation-in-part
of Ser. No. US 2002-284014, filed on 30 Oct 2002, PENDING
Continuation-in-part of Ser. No. US 2002-284059, filed on 30 Oct 2002,
PENDING

PRAI US 2000-185517P 20000228 (60)
US 1999-161188P 19991022 (60)
US 2001-335003P 20011031 (60)
US 2001-335037P 20011031 (60)

DT Utility
FS APPLICATION
LN.CNT 24534

INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500

NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500

IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07K014-705; C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 14 OF 99 USPATFULL on STN

AN 2003:330125 USPATFULL

TI Novel human ion channel and transporter family members

IN Curtis, Rory A. J., Framingham, MA, UNITED STATES
Silos-Santiago, Inmaculada, Jamaica Plain, MA, UNITED STATES
Gu, Wei, Brookline, MA, UNITED STATES

PI US 2003232336 A1 20031218

AI US 2002-162102 A1 20020604 (10)

RLI Continuation-in-part of Ser. No. US 2001-875321, filed on 6 Jun 2001,
PENDING Continuation-in-part of Ser. No. WO 2001-US18340, filed on 6 Jun
2001, PENDING

PRAI WO 2001-US18340 20010606
WO 2001-US18398 20010605
WO 2001-US18247 20010605
WO 2001-US25474 20010815
WO 2001-US26096 20010821
WO 2002-US9728 20020328
US 2001-290288P 20010511 (60)
US 2001-279281P 20010328 (60)
US 2000-226770P 20000821 (60)
US 2000-227068P 20000822 (60)
US 2000-209845P 20000606 (60)

DT Utility
FS APPLICATION
LN.CNT 38135

INCL INCLM: 435/006.000
INCLS: 435/007.100; 435/069.100; 435/320.100; 435/325.000; 530/350.000;
536/023.500; 530/388.100

NCL NCLM: 435/006.000
NCLS: 435/007.100; 435/069.100; 435/320.100; 435/325.000; 530/350.000;
536/023.500; 530/388.100

IC [7]
ICM: C12Q001-68
ICS: G01N033-53; C07H021-04; C07K014-705; C12P021-02; C12N005-06;
C07K016-18

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 15 OF 99 USPATFULL on STN

AN 2003:318632 USPATFULL

TI Novel human transferase family members and uses thereof

IN Meyers, Rachel E., Newton, MA, UNITED STATES
Williamson, Mark, Saugus, MA, UNITED STATES
Leiby, Kevin R., Natick, MA, UNITED STATES
Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES
Olandt, Peter J., Newton, MA, UNITED STATES
MacBeth, Kyle J., Boston, MA, UNITED STATES
Rudolph-Owen, Laura A., Jamaica Plain, MA, UNITED STATES
Tsai, Fong-Ying, Newton, MA, UNITED STATES
Hunter, John J., Somerville, MA, UNITED STATES

PI US 2003224376 A1 20031204

AI US 2002-184648 A1 20020627 (10)

RLI Continuation-in-part of Ser. No. US 2001-815028, filed on 22 Mar 2001,
PENDING Continuation-in-part of Ser. No. US 2001-801220, filed on 7 Mar

2001, PENDING Continuation-in-part of Ser. No. US 2001-816714, filed on 23 Mar 2001, ABANDONED Continuation-in-part of Ser. No. US 2001-844948, filed on 27 Apr 2001, PENDING Continuation-in-part of Ser. No. US 2001-861164, filed on 18 May 2001, ABANDONED Continuation-in-part of Ser. No. US 2001-883060, filed on 15 Jun 2001, PENDING Continuation-in-part of Ser. No. US 2001-962678, filed on 25 Sep 2001, PENDING Continuation-in-part of Ser. No. US 2001-973457, filed on 9 Oct 2001, PENDING Continuation-in-part of Ser. No. US 2002-72285, filed on 8 Feb 2002, PENDING Continuation-in-part of Ser. No. US 2001-817910, filed on 26 Mar 2001, PENDING Continuation-in-part of Ser. No. US 2001-842528, filed on 25 Apr 2001, ABANDONED Continuation-in-part of Ser. No. US 2001-882836, filed on 15 Jun 2001, PENDING Continuation-in-part of Ser. No. US 2001-882872, filed on 15 Jun 2001, ABANDONED

PRAI WO 2001-US9358 20010322
WO 2001-US7269 20010307
WO 2001-US9468 20010323
WO 2001-US13805 20010427
WO 2001-US16292 20010518
WO 2001-US19138 20010615
WO 2001-US29963 20010925
WO 2002-US3736 20020208
WO 2001-US9633 20010326
WO 2001-US40607 20010425
WO 2001-US19543 20010615
WO 2001-US19153 20010615
US 2000-191964P 20000324 (60)
US 2000-187456P 20000307 (60)
US 2000-191865P 20000324 (60)
US 2000-200604P 20000428 (60)
US 2000-205408P 20000519 (60)
US 2000-212079P 20000615 (60)
US 2000-235044P 20000925 (60)
US 2000-238849P 20001006 (60)
US 2001-267494P 20010208 (60)
US 2000-192092P 20000324 (60)
US 2000-199500P 20000425 (60)
US 2000-211730P 20000615 (60)
US 2000-212077P 20000615 (60)

DT Utility
FS APPLICATION

LN.CNT 66695

INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.200;
424/144.100; 514/007.000; 514/001.000; 514/012.000

NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.200;
424/144.100; 514/007.000; 514/001.000; 514/012.000

IC [7]
ICM: A61K031-00
ICS: C12Q001-68; A61K038-16; C07H021-04; C12P021-02; C12N005-06;
C07K014-705; A61K039-395

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 16 OF 99 USPATFULL on STN

AN 2003:306440 USPATFULL

TI Isolated GRP94 ligand binding domain polypeptide and nucleic acid
encoding same, crystalline form of same, and screening methods employing
same

IN Gewirth, Daniel T., Durham, NC, UNITED STATES
Nicchitta, Christopher V., Durham, NC, UNITED STATES
Duke University (U.S. corporation)

PA US 2003215874 A1 20031120

AI US 2002-260104 A1 20020930 (10)

PRAI US 2001-326291P 20011001 (60)

DT Utility
FS APPLICATION

LN.CNT 12401

INCL INCLM: 435/007.100
INCLS: 435/189.000; 702/019.000

NCL NCLM: 435/007.100
NCLS: 435/189.000; 702/019.000

IC [7]
ICM: G01N033-53
ICS: G06F019-00; G01N033-48; G01N033-50; C12N009-02

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 17 OF 99 USPATFULL on STN
AN 2003:300312 USPATFULL
TI Bi-directionally cloned random cDNA expression vector libraries,
compositions and methods of use
IN Lorens, James, Portola Valley, CA, UNITED STATES
Bogenberger, Jakob M., San Francisco, CA, UNITED STATES
PI US 2003211535 A1 20031113
AI US 2002-142648 A1 20020508 (10)
DT Utility
FS APPLICATION
LN.CNT 3910
INCL INCLM: 435/007.100
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500
NCL NCLM: 435/007.100
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500
IC [7]
ICM: G01N033-53
ICS: C07H021-04; C07K014-435; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 18 OF 99 USPATFULL on STN
AN 2003:300239 USPATFULL
TI Directionally cloned random cDNA expression vector libraries,
compositions and methods of use
IN Shen, Mary, Newark, CA, UNITED STATES
Yu, Simon, Newark, CA, UNITED STATES
Wu, Xian, Redwood City, CA, UNITED STATES
Payan, Donald, Hillsborough, CA, UNITED STATES
PI US 2003211462 A1 20031113
AI US 2002-142662 A1 20020508 (10)
DT Utility
FS APPLICATION
LN.CNT 3873
INCL INCLM: 435/005.000
INCLS: 435/006.000; 435/456.000; 435/325.000; 435/235.100; 435/320.100
NCL NCLM: 435/005.000
NCLS: 435/006.000; 435/456.000; 435/325.000; 435/235.100; 435/320.100
IC [7]
ICM: C12Q001-70
ICS: C12Q001-68; C12N007-00; C12N005-06; C12N015-867
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 19 OF 99 USPATFULL on STN
AN 2003:294319 USPATFULL
TI 25312, a novel human agmatinase-like homolog
IN Cook, William James, Natick, MA, UNITED STATES
Curtis, Rory A.J., Southborough, MA, UNITED STATES
Spaltmann, Frank, Cambridge, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)
PI US 2003207334 A1 20031106
AI US 2003-460138 A1 20030612 (10)
RLI Division of Ser. No. US 2001-791165, filed on 22 Feb 2001, PENDING
Continuation-in-part of Ser. No. US 2000-514521, filed on 28 Feb 2000,
GRANTED, Pat. No. US 6413757
DT Utility
FS APPLICATION
LN.CNT 4156
INCL INCLM: 435/007.100
INCLS: 435/193.000; 435/320.100; 435/325.000; 435/005.000
NCL NCLM: 435/007.100
NCLS: 435/193.000; 435/320.100; 435/325.000; 435/005.000
IC [7]
ICM: C12Q001-70
ICS: G01N033-53; C12N009-10
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 20 OF 99 USPATFULL on STN
AN 2003:291110 USPATFULL
TI 25312, a novel human agmatinase-like homolog
IN Cook, William James, Natick, MA, United States
Curtis, Rory A. J., Southborough, MA, United States
Spaltmann, Frank, Cambridge, MA, United States
PA Millenium Pharmaceuticals, Inc., Cambridge, MA, United States (U.S.
corporation)
PI US 6642039 B1 20031104
AI US 2001-791165 20010222 (9)

RLI Continuation-in-part of Ser. No. US 2000-514521, filed on 28 Feb 2000,
now patented, Pat. No. US 6413757, issued on 2 Jul 2002
DT Utility
FS GRANTED
LN.CNT 4120
INCL INCLM: 435/195.000
INCLS: 435/226.000; 536/023.200
NCL NCLM: 435/195.000
NCLS: 435/226.000; 536/023.200
IC [7]
ICM: C12N019-14
ICS: C12N009-64; C07H021-06
EXF 435/195; 536/23.2
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 21 OF 99 USPATFULL on STN
AN 2003:276671 USPATFULL
TI Methods of producing a library and methods of selecting polynucleotides
of interest
IN Zauderer, Maurice, Pittsford, NY, UNITED STATES
Smith, Ernest S., Ontario, NY, UNITED STATES
PA University of Rochester (U.S. corporation)
PI US 2003194696 A1 20031016
AI US 2002-277161 A1 20021022 (10)
RLI Continuation-in-part of Ser. No. US 2001-818991, filed on 28 Mar 2001,
PENDING
PRAI US 2000-192586P 20000328 (60)
US 2000-203343P 20000510 (60)
US 2001-263226P 20010123 (60)
US 2001-271426P 20010227 (60)
DT Utility
FS APPLICATION
LN.CNT 11239
INCL INCLM: 435/005.000
INCLS: 435/006.000; 435/007.100; 435/456.000
NCL NCLM: 435/005.000
NCLS: 435/006.000; 435/007.100; 435/456.000
IC [7]
ICM: C12Q001-70
ICS: C12Q001-68; G01N033-53; C12N015-869
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 22 OF 99 USPATFULL on STN
AN 2003:271536 USPATFULL
TI Compounds, compositions and methods for modulating beta-amyloid
production
IN Connop, Bruce P., Vancouver, CANADA
Grant, Amelia, Vancouver, CANADA
MacDonald, David, Surrey, CANADA
Nathwani, Parimal S., Burnaby, CANADA
Reiner, Peter B., Vancouver, CANADA
Zhang, Zaihui, Richmond, CANADA
PA Active Pass Pharmaceuticals, Inc., Vancouver, CANADA (non-U.S.
corporation)
PI US 2003191144 A1 20031009
AI US 2002-325667 A1 20021219 (10)
RLI Continuation-in-part of Ser. No. US 2002-170224, filed on 12 Jun 2002,
PENDING
PRAI US 2001-309257P 20010731 (60)
US 2001-297845P 20010612 (60)
DT Utility
FS APPLICATION
LN.CNT 3629
INCL INCLM: 514/269.000
NCL NCLM: 514/269.000
IC [7]
ICM: A61K031-513
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 23 OF 99 USPATFULL on STN
AN 2003:265972 USPATFULL
TI Nicotinamide benzofused-heterocyclyl derivatives useful as selective
inhibitors of pde4 isozymes
IN Marfat, Anthony, Mystic, CT, UNITED STATES
Chambers, Robert James, Mystic, CT, UNITED STATES
PI US 2003186989 A1 20031002

AI US 2002-181416 A1 20020724 (10)
 WO 2001-IB124 20010130
 PRAI US 2000-60179284 20000131
 DT Utility
 FS APPLICATION
 LN.CNT 6819
 INCL INCLM: 514/252.020
 INCLS: 514/255.050; 514/256.000; 514/269.000; 514/332.000; 514/340.000;
 514/341.000; 514/342.000; 544/238.000; 544/295.000; 544/296.000;
 544/405.000; 546/261.000; 546/262.000; 546/269.100; 546/271.400;
 546/272.100; 546/268.100; 546/268.700; 546/269.700
 NCL NCLM: 514/252.020
 NCLS: 514/255.050; 514/256.000; 514/269.000; 514/332.000; 514/340.000;
 514/341.000; 514/342.000; 544/238.000; 544/295.000; 544/296.000;
 544/405.000; 546/261.000; 546/262.000; 546/269.100; 546/271.400;
 546/272.100; 546/268.100; 546/268.700; 546/269.700
 IC [7]
 ICM: C07D417-02
 ICS: C07D413-02; C07D043-02; C07D041-02; A61K031-513; A61K031-506;
 A61K031-497; A61K031-501; A61K031-444; A61K031-4439
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 24 OF 99 USPATFULL on STN
 AN 2003:264813 USPATFULL
 TI Human IgM antibodies, and diagnostic and therapeutic uses thereof
 particularly in the central nervous system
 IN Rodriguez, Moses, Rochester, MN, UNITED STATES
 Miller, David J., Ridgeway, WI, UNITED STATES
 Pease, Larry R., Rochester, MN, UNITED STATES
 PA Mayo Foundation, Rochester, MN, UNITED STATES, 55905 (U.S. corporation)
 PI US 2003185827 A1 20031002
 AI US 2001-10729 A1 20011113 (10)
 RLI Continuation-in-part of Ser. No. US 2000-730473, filed on 5 Dec 2000,
 PENDING Continuation-in-part of Ser. No. US 2000-580787, filed on 30 May
 2000, ABANDONED Continuation-in-part of Ser. No. US 1999-322862, filed
 on 28 May 1999, ABANDONED Continuation-in-part of Ser. No. US
 1997-779784, filed on 7 Jan 1997, PENDING Continuation of Ser. No. US
 1996-692084, filed on 8 Aug 1996, PENDING Continuation-in-part of Ser.
 No. US 1994-236520, filed on 29 Apr 1994, GRANTED, Pat. No. US 5591629
 DT Utility
 FS APPLICATION
 LN.CNT 7399
 INCL INCLM: 424/146.100
 INCLS: 424/152.100
 NCL NCLM: 424/146.100
 NCLS: 424/152.100
 IC [7]
 ICM: A61K039-395
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 25 OF 99 USPATFULL on STN
 AN 2003:257879 USPATFULL
 TI Novel human protein kinase, phosphatase, and protease family members and
 uses thereof
 IN Meyers, Rachel E., Newton, MA, UNITED STATES
 Olandt, Peter J., Newton, MA, UNITED STATES
 Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES
 Curtis, Rory A. J., Framingham, MA, UNITED STATES
 Williamson, Mark, Saugus, MA, UNITED STATES
 Weich, Nadine, Brookline, MA, UNITED STATES
 PI US 2003180930 A1 20030925
 AI US 2002-170789 A1 20020613 (10)
 RLI Continuation-in-part of Ser. No. US 2001-797039, filed on 28 Feb 2001,
 PENDING Continuation-in-part of Ser. No. US 2001-882166, filed on 15 Jun
 2001, PENDING Continuation-in-part of Ser. No. US 2001-934406, filed on
 21 Aug 2001, PENDING Continuation-in-part of Ser. No. US 2001-861801,
 filed on 21 May 2001, PENDING Continuation-in-part of Ser. No. US
 2001-801267, filed on 6 Mar 2001, PENDING Continuation-in-part of Ser.
 No. US 2001-829671, filed on 10 Apr 2001, PENDING Continuation-in-part
 of Ser. No. US 2001-961721, filed on 24 Sep 2001, PENDING
 Continuation-in-part of Ser. No. US 2001-45367, filed on 7 Nov 2001,
 PENDING Continuation-in-part of Ser. No. US 2001-801275, filed on 6 Mar
 2001, PENDING
 PRAI WO 2001-US6525 20010228
 WO 2001-US19269 20010615
 WO 2001-US26052 20010821

WO 2001-US16549 20010521
 WO 2001-US7138 20010305
 WO 2001-US40483 20010411
 WO 2001-US29904 20010924
 WO 2001-US7074 20010305
 US 2000-186061P 20000229 (60)
 US 2000-212078P 20000615 (60)
 US 2000-226740P 20000821 (60)
 US 2000-205508P 20000519 (60)
 US 2000-187454P 20000307 (60)
 US 2000-197508P 20000418 (60)
 US 2000-235023P 20000925 (60)
 US 2000-246561P 20001107 (60)
 US 2000-187420P 20000307 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 45159
 INCL INCLM: 435/194.000
 INCLS: 435/069.100; 435/325.000; 435/320.100; 536/023.200
 NCL NCLM: 435/194.000
 NCLS: 435/069.100; 435/325.000; 435/320.100; 536/023.200
 IC [7]
 ICM: C12N009-12
 ICS: C07H021-04; C12P021-02; C12N005-06
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L9 ANSWER 26 OF 99 USPATFULL on STN
 AN 2003:251541 USPATFULL
 TI 55562 and 21617, novel human proteins and methods of use thereof
 IN Bandaru, Rajasekhar, Watertown, MA, UNITED STATES
 Meyers, Rachel E., Newton, MA, UNITED STATES
 PI US 2003176330 A1 20030918
 AI US 2001-23617 A1 20011218 (10)
 PRAI US 2000-256249P 20001218 (60)
 US 2000-256405P 20001218 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 6105
 INCL INCLM: 514/012.000
 INCLS: 435/190.000; 435/325.000; 435/320.100; 435/007.100; 435/069.100;
 536/023.200; 530/388.260
 NCL NCLM: 514/012.000
 NCLS: 435/190.000; 435/325.000; 435/320.100; 435/007.100; 435/069.100;
 536/023.200; 530/388.260
 IC [7]
 ICM: A61K038-17
 ICS: C07K016-40; C12P021-02; C12N005-06; G01N033-53; C12N009-04;
 C07H021-04
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L9 ANSWER 27 OF 99 USPATFULL on STN
 AN 2003:245154 USPATFULL
 TI Use of A33 antigens and JAM-IT
 IN Ashkenazi, Avi, UNITED STATES
 Fong, Sherman, UNITED STATES
 Goddard, Audrey, UNITED STATES
 Gurney, Austin L., UNITED STATES
 Napier, Mary A., UNITED STATES
 Tumas, Daniel, Orinda, CA, UNITED STATES
 Wood, William I., UNITED STATES
 PI US 2003171568 A1 20030911
 AI US 2002-265542 A1 20021003 (10)
 RLI Continuation-in-part of Ser. No. WO 2000-US4414, filed on 22 Feb 2000,
 PENDING Continuation-in-part of Ser. No. WO 2000-US14042, filed on 22
 May 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US32678,
 filed on 1 Dec 2000, PENDING Continuation-in-part of Ser. No. US
 1999-254465, filed on 5 Mar 1999, GRANTED, Pat. No. US 6410708
 Continuation-in-part of Ser. No. WO 1999-US5028, filed on 8 Mar 1999,
 PENDING Continuation-in-part of Ser. No. US 1999-380138, filed on 25 Aug
 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-380139, filed
 on 25 Aug 1999, ABANDONED Continuation-in-part of Ser. No. WO
 1998-US19330, filed on 16 Sep 1998, PENDING Continuation-in-part of Ser.
 No. US 2001-953499, filed on 14 Sep 2001, PENDING Continuation of Ser.
 No. WO 1998-US24855, filed on 20 Nov 1998, PENDING
 DT Utility
 FS APPLICATION

LN.CNT 5925
INCL INCLM: 536/023.500
NCL NCLM: 536/023.500
IC [7]
ICM: C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 28 OF 99 USPTFULL on STN
AN 2003:237867 USPTFULL
TI Human G-protein chemokine receptor (CCR5) HDGMR10
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Roschke, Viktor, Rockville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PA Human Genome Sciences, Inc. (U.S. corporation)
PI US 2003166024 A1 20030904
AI US 2002-135839 A1 20020501 (10)
RLI Continuation of Ser. No. US 2001-779879, filed on 9 Feb 2001, ABANDONED
PRAI US 2000-181258P 20000209 (60)
US 2000-187999P 20000309 (60)
US 2000-234336P 20000922 (60)
DT Utility
FS APPLICATION
LN.CNT 17941
INCL INCLM: 435/007.230
INCLS: 435/069.100; 435/320.100; 530/388.220; 536/023.530; 435/334.000
NCL NCLM: 435/007.230
NCLS: 435/069.100; 435/320.100; 530/388.220; 536/023.530; 435/334.000
IC [7]
ICM: G01N033-574
ICS: C07H021-04; C12P021-02; C07K016-30; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 29 OF 99 USPTFULL on STN
AN 2003:237334 USPTFULL
TI 22196, a novel human aminopeptidase
IN Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES
White, David, Braintree, MA, UNITED STATES
Silos-Santiago, Inmaculada, Cambridge, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)
PI US 2003165491 A1 20030904
AI US 2002-192445 A1 20020710 (10)
RLI Division of Ser. No. US 1999-409180, filed on 30 Sep 1999, GRANTED, Pat.
No. US 6444802
DT Utility
FS APPLICATION
LN.CNT 3915
INCL INCLM: 424/094.630
INCLS: 435/007.210; 435/226.000; 435/069.100; 435/320.100; 435/325.000;
536/023.200
NCL NCLM: 424/094.630
NCLS: 435/007.210; 435/226.000; 435/069.100; 435/320.100; 435/325.000;
536/023.200
IC [7]
ICM: G01N033-567
ICS: C07H021-04; A61K038-48; C12N009-64; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 30 OF 99 USPTFULL on STN
AN 2003:237333 USPTFULL
TI 22196, a novel human aminopeptidase
IN Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES
White, David, Braintree, MA, UNITED STATES
Silos-Santiago, Inmaculada, Cambridge, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)
PI US 2003165490 A1 20030904
AI US 2002-192207 A1 20020710 (10)
RLI Continuation of Ser. No. US 1999-409180, filed on 30 Sep 1999, GRANTED,
Pat. No. US 6444802
DT Utility
FS APPLICATION
LN.CNT 3840
INCL INCLM: 424/094.630
INCLS: 435/069.100; 435/226.000; 435/325.000; 435/320.100; 536/023.200
NCL NCLM: 424/094.630
NCLS: 435/069.100; 435/226.000; 435/325.000; 435/320.100; 536/023.200

IC [7]
ICM: A61K038-48
ICS: C07H021-04; C12N009-64; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 31 OF 99 USPATFULL on STN
AN 2003:231996 USPATFULL
TI Methods of using 69039, a novel human Na/Ca exchanger family member
IN Carroll, Joseph M., Cambridge, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)
PI US 2003162196 A1 20030828
AI US 2002-256537 A1 20020927 (10)
PRAI US 2001-325737P 20010928 (60)
DT Utility
FS APPLICATION
LN.CNT 5615
INCL INCLM: 435/006.000
INCLS: 435/007.100; 435/091.200
NCL NCLM: 435/006.000
NCLS: 435/007.100; 435/091.200

IC [7]
ICM: C12Q001-68
ICS: G01N033-53; C12P019-34
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 32 OF 99 USPATFULL on STN
AN 2003:220233 USPATFULL
TI Methods for inhibiting ocular processes
IN Hinton, David R., Venice, CA, UNITED STATES
He, Shikun, Temple City, CA, UNITED STATES
Oliver, Noelynn A., Los Altos, CA, UNITED STATES
PI US 2003153524 A1 20030814
AI US 2002-317390 A1 20021211 (10)
PRAI US 2001-339547P 20011211 (60)
DT Utility
FS APPLICATION
LN.CNT 2796
INCL INCLM: 514/044.000
INCLS: 424/145.100; 514/001.000
NCL NCLM: 514/044.000
NCLS: 424/145.100; 514/001.000

IC [7]
ICM: A61K048-00
ICS: A61K031-00; A61K039-395
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 33 OF 99 USPATFULL on STN
AN 2003:207939 USPATFULL
TI Pyrimidine carboxamides useful as inhibitors of pde4 isozymes
IN Magee, Thomas Victor, Mystic, CT, UNITED STATES
Marfat, Anthony, Mystic, CT, UNITED STATES
Chambers, Robert James, Mystic, CT, UNITED STATES
PI US 2003144300 A1 20030731
US 6740655 B2 20040525
AI US 2002-181417 A1 20020724 (10)
WO 2001-IB125 20010130
DT Utility
FS APPLICATION
LN.CNT 5944
INCL INCLM: 514/256.000
INCLS: 514/269.000; 544/314.000; 544/326.000; 544/328.000
NCL NCLM: 514/255.050
NCLS: 514/269.000; 544/319.000

IC [7]
ICM: A61K031-513
ICS: A61K031-506
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 34 OF 99 USPATFULL on STN
AN 2003:200905 USPATFULL
TI Novel G protein-coupled receptor family members, human thioredoxin
family members, human leucine-rich repeat family members, and human
ringfinger family member
IN Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES
Silos-Santiago, Inmaculada, Jamaica Plain, MA, UNITED STATES
Galvin, Katherine M., Jamaica Plain, MA, UNITED STATES

Weich, Nadine, Brookline, MA, UNITED STATES
Curtis, Rory A. J., Framingham, MA, UNITED STATES
Bandaru, Rajasekhar, Watertown, MA, UNITED STATES
Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES

PI US 2003138890 A1 20030724
AI US 2002-145586 A1 20020514 (10)
RLI Continuation-in-part of Ser. No. US 2001-796338, filed on 28 Feb 2001,
PENDING Continuation-in-part of Ser. No. WO 2001-US6543, filed on 28 Feb
2001, PENDING

PRAI WO 2001-US6057 20010223
WO 2001-US23152 20010723
WO 2001-US40476 20010409
WO 2001-US7139 20010305
WO 2001-US19544 20010615
WO 2001-US29967 20010925
WO 2001-US9470 20010323
WO 2001-US10380 20010330
WO 2001-US29968 20010925
US 2000-186059P 20000229 (60)
US 2000-220042P 20000721 (60)
US 2000-187447P 20000307 (60)
US 2000-211673P 20000615 (60)
US 2000-235049P 20000925 (60)
US 2000-191863P 20000324 (60)
US 2000-193919P 20000331 (60)
US 2000-235032P 20000925 (60)

DT Utility
FS APPLICATION
LN.CNT 51652

INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500

NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500

IC [7]
ICM: C07K014-705
ICS: C12P021-02; C12N005-06; C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 35 OF 99 USPATFULL on STN

AN 2003:188692 USPATFULL

TI Novel human genes and methods of use thereof

IN Meyers, Rachel E., Newton, MA, UNITED STATES

Curtis, Rory A. J., Framingham, MA, UNITED STATES

Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES

Bandaru, Rajasekhar, Watertown, MA, UNITED STATES

Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES

PI US 2003130485 A1 20030710

AI US 2002-176306 A1 20020620 (10)

RLI Continuation-in-part of Ser. No. US 2001-1137, filed on 14 Nov 2001,
PENDING Continuation-in-part of Ser. No. WO 2001-US45291, filed on 14
Nov 2001, PENDING

PRAI WO 2001-US49416 20011218
WO 2001-US46717 20011022
US 2000-248362P 20001114 (60)
US 2000-248331P 20001114 (60)
US 2000-248365P 20001114 (60)
US 2000-250077P 20001130 (60)
US 2000-250327P 20001130 (60)
US 2000-250176P 20001130 (60)

DT Utility
FS APPLICATION

LN.CNT 26835

INCL INCLM: 530/350.000
INCLS: 536/023.500; 530/388.100; 435/069.100; 435/320.100; 435/325.000

NCL NCLM: 530/350.000
NCLS: 536/023.500; 530/388.100; 435/069.100; 435/320.100; 435/325.000

IC [7]
ICM: C07K014-435
ICS: C07K016-40; C12P021-02; C12N005-06; C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 36 OF 99 USPATFULL on STN

AN 2003:187835 USPATFULL

TI Methods of using 5433, a human calcium channel family member

IN Silos-Santiago, Inmaculada, Jamaica Plain, MA, UNITED STATES

PA Millennium Pharmaceuticals, Inc. (U.S. corporation)

PI US 2003129625 A1 20030710
AI US 2002-245121 A1 20020917 (10)
PRAI US 2001-322983P 20010917 (60)
DT Utility
FS APPLICATION
LN.CNT 4991
INCL INCLM: 435/006.000
INCLS: 435/007.100
NCL NCLM: 435/006.000
NCLS: 435/007.100
IC [7]
ICM: C12Q001-68
ICS: G01N033-53

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 37 OF 99 USPATFULL on STN
AN 2003:187401 USPATFULL
TI Complement pathway inhibitors binding to C5 and C5a without preventing
formation of C5b
IN Fung, Michael, Houston, TX, UNITED STATES
Lu, Meisheng, Houston, TX, UNITED STATES
Sun, William N.C., Shanghai, CHINA
Sun, Cecily R.Y., Shanghai, CHINA
PA Tanox, Inc. (U.S. corporation)
PI US 2003129187 A1 20030710
AI US 2002-222464 A1 20020817 (10)
PRAI US 2001-313137P 20010817 (60)
DT Utility
FS APPLICATION
LN.CNT 1012
INCL INCLM: 424/144.100
INCLS: 435/334.000; 530/388.220; 424/141.100; 530/388.150
NCL NCLM: 424/144.100
NCLS: 435/334.000; 530/388.220; 424/141.100; 530/388.150
IC [7]
ICM: A61K039-395
ICS: C12N005-06; C07K016-28

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 38 OF 99 USPATFULL on STN
AN 2003:181505 USPATFULL
TI Compounds, compositions and methods for modulating beta-amyloid
production
IN Connop, Bruce P., Vancouver, CANADA
Grant, Amelia, Vancouver, CANADA
Nathwani, Parimal S., Burnaby, CANADA
PA Active Pass Pharmaceuticals, Inc., Vancouver, CANADA, V5Z 4H5 (non-U.S.
corporation)
PI US 2003125338 A1 20030703
AI US 2002-170224 A1 20020612 (10)
PRAI US 2001-309257P 20010731 (60)
US 2001-297845P 20010612 (60)
DT Utility
FS APPLICATION
LN.CNT 2198
INCL INCLM: 514/255.060
INCLS: 514/255.050; 544/405.000; 544/408.000
NCL NCLM: 514/255.060
NCLS: 514/255.050; 544/405.000; 544/408.000
IC [7]
ICM: A61K031-4965
ICS: C07D043-02; C07D241-02

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 39 OF 99 USPATFULL on STN
AN 2003:173317 USPATFULL
TI 32132, a novel fucosyltransferase family member and uses therefor
IN Meyers, Rachel A., Newton, MA, UNITED STATES
Williamson, Mark, Saugus, MA, UNITED STATES
PI US 2003119161 A1 20030626
AI US 2001-844948 A1 20010427 (9)
PRAI US 2000-200604P 20000428 (60)
DT Utility
FS APPLICATION
LN.CNT 5346
INCL INCLM: 435/193.000

INCLS: 435/006.000; 435/007.230; 536/023.200; 435/320.100; 435/325.000;
435/069.100; 424/146.100
NCL NCLM: 435/193.000
NCLS: 435/006.000; 435/007.230; 536/023.200; 435/320.100; 435/325.000;
435/069.100; 424/146.100
IC [7]
ICM: C12Q001-68
ICS: G01N033-574; C07H021-04; A61K039-395; C12N009-10
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 40 OF 99 USPATFULL on STN
AN 2003:173234 USPATFULL
TI Method of reducing immunogenicity of toxicity of an antibody of IgG
class
IN Graves, Scott S., Monroe, WA, UNITED STATES
Reno, John M., Brier, WA, UNITED STATES
Mallett, Robert W., Everett, WA, UNITED STATES
Hylarides, Mark D., Stanwood, WA, UNITED STATES
Searle, Stephen M.J., Cambridge, UNITED KINGDOM
Henry, Andrew H., Ely, UNITED KINGDOM
Pedersen, Jan T., Bronshoj, DENMARK
Rees, Anthony R., St. Chaptes, FRANCE
PA NeorX Corporation, Seattle, WA, UNITED STATES, 98119 (U.S. corporation)
PI US 2003119078 A1 20030626
AI US 2002-56794 A1 20020124 (10)
RLI Continuation of Ser. No. US 1997-871488, filed on 9 Jun 1997, GRANTED,
Pat. No. US 6358710 Continuation-in-part of Ser. No. US 1996-660362,
filed on 7 Jun 1996, ABANDONED
DT Utility
FS APPLICATION
LN.CNT 2585
INCL INCLM: 435/007.230
INCLS: 530/388.150
NCL NCLM: 435/007.230
NCLS: 530/388.150
IC [7]
ICM: G01N033-574
ICS: C07K016-44
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 41 OF 99 USPATFULL on STN
AN 2003:173153 USPATFULL
TI Human cDNAs and proteins and uses thereof
IN Bejanin, Stephane, Paris, FRANCE
Tanaka, Hiroaki, Antony, FRANCE
PA GENSET, S.A., Paris, FRANCE, 75008 (non-U.S. corporation)
PI US 2003118997 A1 20030626
AI US 2001-978418 A1 20011015 (9)
PRAI US 2001-311305P 20010810 (60)
US 2001-314734P 20010824 (60)
US 2001-318204P 20010907 (60)
US 2001-326470P 20011001 (60)
DT Utility
FS APPLICATION
LN.CNT 15316
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 42 OF 99 USPATFULL on STN
AN 2003:166054 USPATFULL
TI Pluripotent stem cells derived without the use of embryos or
****fetal**** tissue
IN Levanduski, Mike, River Vale, NJ, UNITED STATES
PI US 2003113910 A1 20030619
AI US 2001-26420 A1 20011219 (10)
DT Utility
FS APPLICATION
LN.CNT 3528
INCL INCLM: 435/325.000
INCLS: 435/354.000; 435/366.000

NCL NCLM: 435/325.000
NCLS: 435/354.000; 435/366.000
IC [7]
ICM: C12N005-06
ICS: C12N005-08; C12N015-85
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 43 OF 99 USPATFULL on STN
AN 2003:165985 USPATFULL
TI 8105, a novel human sugar transporter family member and uses thereof
IN Curtis, Rory A.J., Framingham, MA, UNITED STATES
Gu, Wei, Brookline, MA, UNITED STATES
PI US 2003113841 A1 20030619
AI US 2002-144624 A1 20020513 (10)
PRAI US 2001-290288P 20010511 (60)
DT Utility
FS APPLICATION
LN.CNT 5398
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 435/006.000; 530/350.000; 536/023.200
NCL NCLM: 435/069.100
NCLS: 435/320.100; 435/325.000; 435/006.000; 530/350.000; 536/023.200
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C12Q001-68; C07H021-04; C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 44 OF 99 USPATFULL on STN
AN 2003:152692 USPATFULL
TI Diagnosis methods based on microcompetition for a limiting GABP complex
IN Polansky, Hanan, Rochester, NY, UNITED STATES
PI US 2003104358 A1 20030605
AI US 2002-219649 A1 20020815 (10)
RLI Continuation-in-part of Ser. No. US 2000-732360, filed on 7 Dec 2000,
PENDING
DT Utility
FS APPLICATION
LN.CNT 14430
INCL INCLM: 435/005.000
INCLS: 435/006.000
NCL NCLM: 435/005.000
NCLS: 435/006.000
IC [7]
ICM: C12Q001-70
ICS: C12Q001-68
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 45 OF 99 USPATFULL on STN
AN 2003:146312 USPATFULL
TI Human G-protein Chemokine Receptor (CCR5) HDGMR10
IN Roschke, Viktor, Rockville, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PA Human Genome Sciences, Inc. (U.S. corporation)
PI US 2003100058 A1 20030529
AI US 2002-67800 A1 20020208 (10)
RLI Continuation-in-part of Ser. No. WO 2001-US4153, filed on 9 Feb 2001,
UNKNOWN Continuation-in-part of Ser. No. US 2001-779880, filed on 9 Feb
2001, PENDING
PRAI US 2001-297257P 20010612 (60)
US 2001-310458P 20010808 (60)
US 2001-328447P 20011012 (60)
US 2001-341725P 20011221 (60)
DT Utility
FS APPLICATION
LN.CNT 18955
INCL INCLM: 435/069.100
INCLS: 435/326.000; 435/320.100; 530/388.800; 536/023.530
NCL NCLM: 435/069.100
NCLS: 435/326.000; 435/320.100; 530/388.800; 536/023.530
IC [7]
ICM: C12P021-02
ICS: C07H021-04; C12N005-06; C07K016-30
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 46 OF 99 USPATFULL on STN

AN 2003:140530 USPATFULL
TI Human cytokines
IN Bandman, Olga, Mountain View, CA, UNITED STATES
Hawkins, Phillip R., Mountain View, CA, UNITED STATES
Murry, Lynn E., Fayetteville, AR, UNITED STATES
Goli, Surya K., San Jose, CA, UNITED STATES
PA Incyte Genomics, Inc., Palo Alto, CA (U.S. corporation)
PI US 2003096371 A1 20030522
AI US 2002-300257 A1 20021119 (10)
RLI Division of Ser. No. US 2001-782142, filed on 12 Feb 2001, PENDING
Division of Ser. No. US 1997-792013, filed on 31 Jan 1997, GRANTED, Pat.
No. US 6204021
DT Utility
FS APPLICATION
LN.CNT 2348
INCL INCLM: 435/069.500
INCLS: 435/252.300; 435/320.100; 435/325.000; 530/351.000; 536/023.500;
800/008.000; 424/085.100
NCL NCLM: 435/069.500
NCLS: 435/252.300; 435/320.100; 435/325.000; 530/351.000; 536/023.500;
800/008.000; 424/085.100
IC [7]
ICM: A01K067-00
ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-52; A61K038-19;
C12N001-21
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 47 OF 99 USPATFULL on STN
AN 2003:140464 USPATFULL
TI Novel human membrane-associated protein and cell surface protein family
members
IN Meyers, Rachel E., Newton, MA, UNITED STATES
Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES
Curtis, Rory A. J., Framingham, MA, UNITED STATES
Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES
Bandaru, Rajasekhar, Watertown, MA, UNITED STATES
Leiby, Kevin R., Natick, MA, UNITED STATES
PI US 2003096305 A1 20030522
AI US 2002-162435 A1 20020604 (10)
RLI Continuation-in-part of Ser. No. US 2001-836499, filed on 17 Apr 2001,
PENDING
PRAI WO 2001-US12420 20010417
WO 2001-US19963 20010625
WO 2001-US16013 20010518
WO 2001-US20055 20010621
WO 2002-US275 20020108
WO 2001-US41811 20010821
US 2000-197507P 20000418 (60)
US 2000-214220P 20000623 (60)
US 2000-205674P 20000519 (60)
US 2000-213963P 20000623 (60)
US 2001-260286P 20010108 (60)
US 2000-226612P 20000821 (60)
DT Utility
FS APPLICATION
LN.CNT 30445
INCL INCLM: 435/007.100
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
530/388.100; 536/023.200
NCL NCLM: 435/007.100
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
530/388.100; 536/023.200
IC [7]
ICM: G01N033-53
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06; C07K014-435;
C07K016-40
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 48 OF 99 USPATFULL on STN
AN 2003:134031 USPATFULL
TI Novel nucleic acid sequences encoding adenylate kinase, phospholipid
scramblase-like, DNA fragmentation factor-like, phosphatidylserine
synthase-like, and ATPase-like molecules and uses therefor
IN Chun, Miyoung, Belmont, MA, UNITED STATES
Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES
Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES

PA Meyers, Rachel E., Newton, MA, UNITED STATES
PI Millennium Pharmaceuticals, Inc. (U.S. corporation)
AI US 2003092116 A1 20030515
ALI US 2002-165800 A1 20020607 (10)
RLI Continuation-in-part of Ser. No. US 2001-781677, filed on 12 Feb 2001,
PENDING Continuation-in-part of Ser. No. US 2001-795038, filed on 26 Feb
2001, PENDING Continuation-in-part of Ser. No. US 2001-790180, filed on
21 Feb 2001, PENDING Continuation-in-part of Ser. No. US 2001-790838,
filed on 22 Feb 2001, GRANTED, Pat. No. US 6489152 Continuation-in-part
of Ser. No. US 2001-790179, filed on 21 Feb 2001, GRANTED, Pat. No. US
6479268
PRAI US 2000-181705P 20000210 (60)
US 2000-186234P 20000229 (60)
US 2000-185947P 20000229 (60)
US 2000-185946P 20000229 (60)
US 2000-185609P 20000229 (60)
DT Utility
FS APPLICATION
LN.CNT 18760
INCL INCLM: 435/069.100
INCLS: 435/183.000; 435/194.000; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 435/069.100
NCLS: 435/183.000; 435/194.000; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C07H021-04
ICS: C12N009-00; C12N009-12; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 49 OF 99 USPATFULL on STN
AN 2003:133459 USPATFULL
TI Interferon-Beta polynucleotide therapy for autoimmune and inflammatory
diseases
IN Parker, Suezanne E., San Diego, CA, UNITED STATES
Horton, Holly M., San Diego, CA, UNITED STATES
PA Vical Incorporated (U.S. corporation)
PI US 2003091544 A1 20030515
AI US 2002-96373 A1 20020313 (10)
PRAI US 2001-275044P 20010313 (60)
DT Utility
FS APPLICATION
LN.CNT 3341
INCL INCLM: 424/093.210
INCLS: 514/044.000
NCL NCLM: 424/093.210
NCLS: 514/044.000
IC [7]
ICM: A61K048-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 50 OF 99 USPATFULL on STN
AN 2003:102135 USPATFULL
TI Immunological composition and its method of use to transiently disrupt
mammalian central nervous system myelin to promote neuronal regeneration
IN Steeves, John D., N. Vancouver, CANADA
Dyer, Jason K., N. Van, CANADA
Keirstead, Hans S., Vancouver, CANADA
PA University of British Columbia, CANADA (non-U.S. corporation)
PI US 6548061 B1 20030415
AI US 1998-181719 19981028 (9)
PRAI CA 1997-2219683 19971028
CA 1998-2251410 19981016
DT Utility
FS GRANTED
LN.CNT 1945
INCL INCLM: 424/130.100
INCLS: 424/141.100; 424/172.100
NCL NCLM: 424/130.100
NCLS: 424/141.100; 424/172.100
IC [7]
ICM: A61K039-395
EXF 530/387.1; 424/130.1; 424/141.1; 424/172.1; 424/1.41; 435/337; 436/821
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 51 OF 99 USPATFULL on STN
AN 2003:100088 USPATFULL
TI Treatment methods based on microcompetition for a limiting GABP complex

IN Polansky, Hanan, Rochester, NY, UNITED STATES
PI US 2003069199 A1 20030410
AI US 2002-219334 A1 20020815 (10)
RLI Continuation-in-part of Ser. No. US 2000-732360, filed on 7 Dec 2000,
PENDING
DT Utility
FS APPLICATION
LN.CNT 14837
INCL INCLM: 514/044.000
INCLS: 424/093.200; 424/186.100
NCL NCLM: 514/044.000
NCLS: 424/093.200; 424/186.100
IC [7]
ICM: A61K048-00
ICS: A61K039-12
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 52 OF 99 USPATFULL on STN
AN 2003:99511 USPATFULL
TI Drug discovery assays based on microcompetition for a limiting GABP
complex
IN Polansky, Hanan, Rochester, NY, UNITED STATES
PI US 2003068616 A1 20030410
AI US 2002-223050 A1 20020814 (10)
RLI Continuation-in-part of Ser. No. US 2000-732360, filed on 7 Dec 2000,
PENDING
DT Utility
FS APPLICATION
LN.CNT 14981
INCL INCLM: 435/005.000
INCLS: 435/007.210; 435/456.000; 435/320.100; 435/325.000; 435/366.000
NCL NCLM: 435/005.000
NCLS: 435/007.210; 435/456.000; 435/320.100; 435/325.000; 435/366.000
IC [7]
ICM: C12Q001-70
ICS: G01N033-567; C12N015-86; C12N005-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 53 OF 99 USPATFULL on STN
AN 2003:79071 USPATFULL
TI Characterization of GRP94-ligand interactions and purification,
screening, and therapeutic methods relating thereto
IN Nicchitta, Christopher V., Durham, NC, UNITED STATES
Wassenberg, James J., Durham, NC, UNITED STATES
Rosser, Meredith F.N., Durham, NC, UNITED STATES
Reed, Robyn C., Durham, NC, UNITED STATES
PI US 2003054996 A1 20030320
AI US 2002-210333 A1 20020801 (10)
RLI Continuation of Ser. No. WO 2001-US9512, filed on 26 Mar 2001, PENDING
PRAI US 2000-192118P 20000324 (60)
DT Utility
FS APPLICATION
LN.CNT 5078
INCL INCLM: 514/012.000
INCLS: 435/199.000
NCL NCLM: 514/012.000
NCLS: 435/199.000
IC [7]
ICM: A61K038-17
ICS: C12N009-22
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 54 OF 99 USPATFULL on STN
AN 2003:70969 USPATFULL
TI Modulating neuronal outgrowth via the major histocompatibility complex
Class I (MHC I) molecule
IN Kaufman, Daniel L., Los Angeles, CA, UNITED STATES
Hanssen, Lorraine, Los Angeles, CA, UNITED STATES
Zekzer, Dan, Encinitas, CA, UNITED STATES
PI US 2003049254 A1 20030313
AI US 2002-161647 A1 20020605 (10)
PRAI US 2001-295596P 20010605 (60)
DT Utility
FS APPLICATION
LN.CNT 2511
INCL INCLM: 424/144.100

NCL INCL: 435/366.000
NCLM: 424/144.100
NCLS: 435/366.000
IC [7]
ICM: A61K039-395
ICS: C12N005-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 55 OF 99 USPATFULL on STN
AN 2003:58037 USPATFULL
TI Siglec-12 polypeptides, polynucleotides, and methods of use thereof
IN Anderson, Dirk M., Seattle, WA, UNITED STATES
Marken, John S., Seattle, WA, UNITED STATES
PI US 2003040604 A1 20030227
AI US 2002-158238 A1 20020529 (10)
PRAI US 2001-294199P 20010529 (60)
DT Utility
FS APPLICATION
LN.CNT 3243
INCL INCLM: 530/350.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.200
NCL NCLM: 530/350.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.200
IC [7]
ICM: C07K014-705
ICS: C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 56 OF 99 USPATFULL on STN
AN 2003:52389 USPATFULL
TI Novel nucleic acid sequences encoding a human ubiquitin protease,
lipase, dynamin, short chain dehydrogenase, and ADAM-TS metalloprotease
and uses therefor
IN Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES
Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES
Meyers, Rachel E., Newton, MA, UNITED STATES
Rudolph-Owen, Laura A., Jamaica Plain, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)
PI US 2003037350 A1 20030220
AI US 2002-163547 A1 20020605 (10)
RLI Continuation-in-part of Ser. No. US 1999-407356, filed on 29 Sep 1999,
PENDING Continuation-in-part of Ser. No. US 2000-704918, filed on 2 Nov
2000, PENDING Continuation-in-part of Ser. No. US 1999-435311, filed on
5 Nov 1999, PENDING Continuation-in-part of Ser. No. US 2001-796100,
filed on 28 Feb 2001, PENDING Continuation-in-part of Ser. No. US
2001-781598, filed on 12 Feb 2001, PENDING Continuation-in-part of Ser.
No. US 2001-782952, filed on 14 Feb 2001, PENDING Continuation-in-part
of Ser. No. US 2000-496005, filed on 1 Feb 2000, PENDING
PRAI US 2000-185503P 20000228 (60)
US 2000-182009P 20000211 (60)
US 2000-182408P 20000214 (60)
DT Utility
FS APPLICATION
LN.CNT 23031
INCL INCLM: 800/008.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 435/183.000; 536/023.200
NCL NCLM: 800/008.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 435/183.000; 536/023.200
IC [7]
ICM: A01K067-00
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 57 OF 99 USPATFULL on STN
AN 2003:51551 USPATFULL
TI TGF-alpha polypeptides, functional fragments and methods of use therefor
IN Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Pernet, Andre, Lake Forest, IL, UNITED STATES
Felker, Thomas S., Vashon, WA, UNITED STATES
Paskell, Stefan, Bainbridge Island, WA, UNITED STATES
Reno, John M., Brier, WA, UNITED STATES
PI US 2003036509 A1 20030220
US 6677307 B2 20040113
AI US 2002-138158 A1 20020501 (10)
RLI Continuation-in-part of Ser. No. US 2000-641587, filed on 17 Aug 2000,
PENDING Continuation-in-part of Ser. No. US 2000-559248, filed on 26 Apr

2000, PENDING Continuation-in-part of Ser. No. US 1999-459813, filed on
13 Dec 1999, PENDING Continuation-in-part of Ser. No. US 1999-378567,
filed on 19 Aug 1999, ABANDONED

DT Utility
FS APPLICATION
LN.CNT 2915
INCL INCLM: 514/012.000
INCLS: 530/399.000
NCL NCLM: 514/012.000
NCLS: 530/300.000; 530/402.000
IC [7]
ICM: A61K038-18
ICS: C07K014-475

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 58 OF 99 USPTFULL on STN
AN 2003:51224 USPTFULL
TI Peptide extended glycosylated polypeptides
IN Okkels, Jens Sigurd, Vedbaek, DENMARK
Jensen, Anne Dam, Copenhagen, DENMARK
van den Hazel, Bart, Copenhagen, DENMARK
PI US 2003036181 A1 20030220
AI US 2001-896896 A1 20010629 (9)
PRAI DK 2000-1027 20000630
DK 2000-1092 20000714
WO 2000-DK743 20001229
WO 2001-DK90 20010209
US 2000-217497P 20000711 (60)
US 2000-225558P 20000816 (60)

DT Utility
FS APPLICATION
LN.CNT 4732
INCL INCLM: 435/184.000
INCLS: 435/183.000; 530/322.000; 530/388.100; 530/351.000; 530/350.000;
530/397.000
NCL NCLM: 435/184.000
NCLS: 435/183.000; 530/322.000; 530/388.100; 530/351.000; 530/350.000;
530/397.000
IC [7]
ICM: C12N009-99
ICS: C12N009-00; C07K009-00; C07K016-46; C07K014-705; C07K014-575;
C07K014-52; C07K014-475

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 59 OF 99 USPTFULL on STN
AN 2003:44781 USPTFULL
TI 48120, 23479 and 46689, novel human hydrolases and uses thereof
IN Meyers, Rachel E., Newton, MA, UNITED STATES
Bandaru, Rajasekhar, Watertown, MA, UNITED STATES
Curtis, Rory A.J., Southborough, MA, UNITED STATES
PI US 2003032091 A1 20030213
AI US 2001-971490 A1 20011005 (9)
PRAI US 2000-238170P 20001005 (60)
US 2000-237991P 20001005 (60)

DT Utility
FS APPLICATION
LN.CNT 7627
INCL INCLM: 435/069.100
INCLS: 435/196.000; 435/320.100; 435/325.000; 530/388.260; 536/023.200
NCL NCLM: 435/069.100
NCLS: 435/196.000; 435/320.100; 435/325.000; 530/388.260; 536/023.200
IC [7]
ICM: C12N009-16
ICS: C07H021-04; C12P021-02; C12N005-06; C07K016-40

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 60 OF 99 USPTFULL on STN
AN 2003:30272 USPTFULL
TI 85080, a human metal ion transporter family member and uses thereof
IN Curtis, Rory A.J., Framingham, MA, UNITED STATES
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)
PI US 2003022219 A1 20030130
AI US 2002-186511 A1 20020701 (10)
PRAI US 2001-305260P 20010713 (60)
DT Utility
FS APPLICATION

LN.CNT 4965
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500
IC [7]
ICM: C12Q001-68
ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 61 OF 99 USPATFULL on STN
AN 2003:30210 USPATFULL
TI Methods of producing a library and methods of selecting polynucleotides of interest
IN Zauderer, Maurice, Pittsford, NY, UNITED STATES
Smith, Ernest S., Ontario, NY, UNITED STATES
PA University of Rochester (U.S. corporation)
PI US 2003022157 A1 20030130
AI US 2001-818991 A1 20010328 (9)
PRAI US 2000-192586P 20000328 (60)
US 2000-203343P 20000510 (60)
US 2001-263226P 20010123 (60)
US 2001-271426P 20010227 (60)
DT Utility
FS APPLICATION
LN.CNT 10535
INCL INCLM: 435/005.000
INCLS: 435/069.100; 435/456.000; 435/235.100
NCL NCLM: 435/005.000
NCLS: 435/069.100; 435/456.000; 435/235.100
IC [7]
ICM: C12Q001-70
ICS: C12N007-00; C12P021-02; C12N015-863
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 62 OF 99 USPATFULL on STN
AN 2002:337936 USPATFULL
TI TGF-alpha polypeptides, functional fragments and methods of use therefor
IN Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Pernet, Andre, Lake Forest, IL, UNITED STATES
Felker, Thomas S., Vashon, WA, UNITED STATES
Paskell, Stefan, Bainbridge Island, WA, UNITED STATES
PA Stem Cell Pharmaceuticals, Inc. (U.S. corporation)
PI US 2002193301 A1 20021219
AI US 2002-39119 A1 20020104 (10)
RLI Continuation of Ser. No. US 2000-641587, filed on 17 Aug 2000, PENDING
Continuation-in-part of Ser. No. US 2000-492935, filed on 27 Jan 2000,
PENDING Continuation-in-part of Ser. No. US 1999-378567, filed on 19 Aug
1999, PENDING
DT Utility
FS APPLICATION
LN.CNT 2673
INCL INCLM: 514/012.000
NCL NCLM: 514/012.000
IC [7]
ICM: A61K038-18
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 63 OF 99 USPATFULL on STN
AN 2002:310915 USPATFULL
TI Methods of increasing body weight in a subject by administering
TGF-.alpha.
IN Twardzik, Daniel R., Bainbridge Island, WA, United States
Paskell, Stefan, Bainbridge Island, WA, United States
Felker, Thomas S., Vashon, WA, United States
PA Stem Cell Pharmaceuticals, Inc., Seattle, WA, United States (U.S.
corporation)
PI US 6486122 B1 20021126
AI US 2000-559248 20000426 (9)
RLI Continuation-in-part of Ser. No. US 1999-459813, filed on 13 Dec 1999
Continuation-in-part of Ser. No. US 1999-299473, filed on 26 Apr 1999
DT Utility
FS GRANTED
LN.CNT 1713
INCL INCLM: 514/002.000
INCLS: 530/300.000; 530/324.000

NCL NCLM: 514/002.000
NCLS: 530/300.000; 530/324.000
IC [7]
ICM: A01N037-18
ICS: A61K038-00; C07K014-00; C07K016-00; C07K017-00
EXF 514/2; 530/300; 530/324
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 64 OF 99 USPATFULL on STN
AN 2002:301586 USPATFULL
TI TGF-alpha polypeptides, functional fragments and methods of use therefor
IN Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Paskell, Stefan, Bainbridge Island, WA, UNITED STATES
Felker, Thomas S., Vashon, WA, UNITED STATES
PI US 2002169131 A1 20021114
AI US 2001-955581 A1 20010912 (9)
RLI Continuation of Ser. No. US 2000-559248, filed on 26 Apr 2000, PENDING
Continuation-in-part of Ser. No. US 1999-459813, filed on 13 Dec 1999,
PENDING Continuation-in-part of Ser. No. US 1999-299473, filed on 26 Apr
1999, PENDING
DT Utility
FS APPLICATION
LN.CNT 1991
INCL INCLM: 514/015.000
INCLS: 530/328.000
NCL NCLM: 514/015.000
NCLS: 530/328.000
IC [7]
ICM: A61K038-08
ICS: C07K007-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 65 OF 99 USPATFULL on STN
AN 2002:301574 USPATFULL
TI TGF-alpha polypeptides, functional fragments and methods of use therefor
IN Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Pernet, Andre, Lake Forest, IL, UNITED STATES
Felker, Thomas S., Vashon, WA, UNITED STATES
Paskell, Stefan, Bainbridge Island, WA, UNITED STATES
PI US 2002169119 A1 20021114
AI US 2001-932172 A1 20010817 (9)
RLI Continuation-in-part of Ser. No. US 2000-641587, filed on 17 Aug 2000,
PENDING Continuation-in-part of Ser. No. US 2000-492935, filed on 27 Jan
2000, PENDING Continuation-in-part of Ser. No. US 1999-378567, filed on
19 Aug 1999, PENDING
DT Utility
FS APPLICATION
LN.CNT 2472
INCL INCLM: 514/012.000
NCL NCLM: 514/012.000
IC [7]
ICM: A61K038-18
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 66 OF 99 USPATFULL on STN
AN 2002:294726 USPATFULL
TI 32144, a novel human fatty acid amide hydrolase family member and uses
thereof
IN Curtis, Rory A.J., Southborough, MA, UNITED STATES
MacBeth, Kyle J., Boston, MA, UNITED STATES
Rudolph-Owen, Laura A., Jamaica Plain, MA, UNITED STATES
PI US 2002164769 A1 20021107
AI US 2001-966614 A1 20010927 (9)
PRAI US 2000-238054P 20001005 (60)
DT Utility
FS APPLICATION
LN.CNT 5256
INCL INCLM: 435/228.000
INCLS: 435/069.100; 435/320.100; 435/325.000; 435/007.100; 530/388.260;
536/023.200
NCL NCLM: 435/228.000
NCLS: 435/069.100; 435/320.100; 435/325.000; 435/007.100; 530/388.260;
536/023.200
IC [7]
ICM: C12N009-80
ICS: G01N033-53; C07H021-04; C12P021-02; C12N005-06; C07K016-40

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 67 OF 99 USPATFULL on STN
AN 2002:287633 USPATFULL
TI Isolated GRP94 ligand binding domain polypeptide and nucleic acid
encoding same, and screening methods employing same
IN Gewirth, Daniel T., Durham, NC, UNITED STATES
Nicchitta, Christopher V., Durham, NC, UNITED STATES
PI US 2002160496 A1 20021031
AI US 2001-968436 A1 20011001 (9)
RLI Continuation-in-part of Ser. No. WO 2001-US9512, filed on 26 Mar 2001,
UNKNOWN
PRAI US 2000-192118P 20000324 (60)
DT Utility
FS APPLICATION
LN.CNT 5917
INCL INCLM: 435/226.000
INCLS: 435/320.100; 435/325.000; 435/069.100; 536/023.200
NCL NCLM: 435/226.000
NCLS: 435/320.100; 435/325.000; 435/069.100; 536/023.200
IC [7]
ICM: C12N009-64
ICS: C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 68 OF 99 USPATFULL on STN
AN 2002:276128 USPATFULL
TI Inhibition of inflammation via inhibition of COX-2 gene transcription
IN Bleich, David, Pasadena, CA, United States
Chen, Songyuan, Duarte, CA, United States
Han, Xiao, Duarte, CA, United States
PA City of Hope, Duarte, CA, United States (U.S. corporation)
PI US 6469063 B1 20021022
AI US 2000-714889 20001117 (9)
PRAI US 1999-166161P 19991118 (60)
DT Utility
FS GRANTED
LN.CNT 617
INCL INCLM: 514/538.000
INCLS: 514/540.000
NCL NCLM: 514/538.000
NCLS: 514/540.000
IC [7]
ICM: A61K031-216
EXF 514/540; 514/538
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 69 OF 99 USPATFULL on STN
AN 2002:259412 USPATFULL
TI Therapeutic compositions and methods of treating glycolipid storage
related disorders
IN Dwek, Raymond A., Oxford, UNITED KINGDOM
Butters, Terence D., Oxford, UNITED KINGDOM
PI US 2002142985 A1 20021003
AI US 2001-42527 A1 20011019 (10)
RLI Continuation of Ser. No. WO 2000-GB1560, filed on 20 Apr 2000, UNKNOWN
PRAI GB 1999-9066 19990420
DT Utility
FS APPLICATION
LN.CNT 1563
INCL INCLM: 514/044.000
INCLS: 514/328.000; 514/238.800
NCL NCLM: 514/044.000
NCLS: 514/328.000; 514/238.800
IC [7]
ICM: A61K048-00
ICS: A61K031-535; A61K031-445
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 70 OF 99 USPATFULL on STN
AN 2002:243807 USPATFULL
TI Therapeutic agents and methods of use thereof for treating an
amyloidogenic disease
IN Gefter, Malcolm L., Lincoln, MA, UNITED STATES
Israel, David I., Concord, MA, UNITED STATES
Joyal, John L., Melrose, MA, UNITED STATES

Gosselin, Michael, Melrose, MA, UNITED STATES
PA Praecis Pharmaceuticals Inc., Waltham, MA (U.S. corporation)
PI US 2002133001 A1 20020919
AI US 2001-996357 A1 20011127 (9)
PRAI US 2000-253302P 20001127 (60)
US 2000-250198P 20001129 (60)
US 2000-257186P 20001220 (60)
DT Utility
FS APPLICATION
LN.CNT 2783
INCL INCLM: 536/023.530
INCLS: 530/391.100; 424/178.100; 435/069.100; 435/326.000; 435/320.100
NCL NCLM: 536/023.530
NCLS: 530/391.100; 424/178.100; 435/069.100; 435/326.000; 435/320.100
IC [7]
ICM: C07H021-04
ICS: A61K039-395; C12P021-02; C12N005-06; C07K016-40
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 71 OF 99 USPATFULL on STN
AN 2002:228305 USPATFULL
TI TGF-alpha polypeptides, functional fragments and methods of use therefor
IN Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES
Pernet, Andre, Lake Forest, IL, UNITED STATES
Felker, Thomas S., Vashon, WA, UNITED STATES
Paskell, Stefan, Bainbridge Island, WA, UNITED STATES
PA Stem Cell Pharmaceuticals, Inc. (U.S. corporation)
PI US 2002123465 A1 20020905
AI US 2002-50190 A1 20020115 (10)
RLI Continuation of Ser. No. US 2000-641587, filed on 17 Aug 2000, PENDING
Continuation-in-part of Ser. No. US 2000-492935, filed on 27 Jan 2000,
PENDING Continuation-in-part of Ser. No. US 1999-378567, filed on 19 Aug
1999, PENDING
DT Utility
FS APPLICATION
LN.CNT 2684
INCL INCLM: 514/012.000
NCL NCLM: 514/012.000
IC [7]
ICM: A61K038-19
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 72 OF 99 USPATFULL on STN
AN 2002:227648 USPATFULL
TI Methods for treating inflammation
IN Stern, David M., Great Neck, NY, UNITED STATES
Herold, Kevan, Scarsdale, NY, UNITED STATES
Yan, Shi Du, Tenafly, NJ, UNITED STATES
Schmidt, Ann Marie, Franklin Lakes, NJ, UNITED STATES
Lamster, Ira, Wyckoff, NJ, UNITED STATES
PI US 2002122799 A1 20020905
AI US 2001-872185 A1 20010601 (9)
PRAI WO 1999-US23303 19991006
DT Utility
FS APPLICATION
LN.CNT 3215
INCL INCLM: 424/143.100
INCLS: 514/023.000; 514/044.000; 514/012.000
NCL NCLM: 424/143.100
NCLS: 514/023.000; 514/044.000; 514/012.000
IC [7]
ICM: A61K048-00
ICS: A61K038-17; A61K039-395; A61K031-70
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 73 OF 99 USPATFULL on STN
AN 2002:224714 USPATFULL
TI Human aminopeptidase
IN Kapeller-Libermann, Rosana, Chestnut Hill, MA, United States
White, David, Braintree, MA, United States
Silos-Santiago, Immaculada, Cambridge, MA, United States
PA Millenium Pharmaceuticals, Inc., Cambridge, MA, United States (U.S.
corporation)
PI US 6444802 B1 20020903
AI US 1999-409180 19990930 (9)
DT Utility

FS GRANTED
LN.CNT 3847
INCL INCLM: 536/023.200
INCLS: 536/023.100; 435/069.100; 435/320.100; 435/325.000; 435/810.000;
435/975.000
NCL NCLM: 536/023.200
NCLS: 435/069.100; 435/320.100; 435/325.000; 435/810.000; 435/975.000;
536/023.100
IC [7]
ICM: C07H021-04
ICS: C07H021-02; C12P021-06; C12N015-00; G01N033-53
EXF 536/23.1; 536/23.2; 435/69.1; 435/320.1; 435/325; 435/810; 435/975
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 74 OF 99 USPATFULL on STN
AN 2002:206610 USPATFULL
TI 46508, a novel human peptidyl-tRNA hydrolase family member and uses
thereof
IN Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES
Rudolph-Owen, Laura A., Jamaica Plain, MA, UNITED STATES
PI US 2002111307 A1 20020815
AI US 2001-888911 A1 20010625 (9)
PRAI US 2000-213688P 20000623 (60)
DT Utility
FS APPLICATION
LN.CNT 5043
INCL INCLM: 514/012.000
INCLS: 536/023.200; 435/199.000; 435/069.100; 435/325.000; 435/320.100;
435/006.000
NCL NCLM: 514/012.000
NCLS: 536/023.200; 435/199.000; 435/069.100; 435/325.000; 435/320.100;
435/006.000
IC [7]
ICM: A61K038-17
ICS: C12Q001-68; C07H021-04; C12N009-22; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 75 OF 99 USPATFULL on STN
AN 2002:199081 USPATFULL
TI Novel genes and expression products therefrom
IN Chung, Ching Ming, Singapore, SINGAPORE
Chan, Lily, Singapore, SINGAPORE
Ou, Keli, Singapore, SINGAPORE
Ong, Shao-En, Singapore, SINGAPORE
Seow, Teck Keong, Singapore, SINGAPORE
M.Y. Liang, Cynthia Rosa, Singapore, SINGAPORE
Choong, Meng Ling, Singapore, SINGAPORE
Tan, Li Kiang, Singapore, SINGAPORE
PI US 2002107190 A1 20020808
AI US 2001-788476 A1 20010221 (9)
PRAI US 2000-185116P 20000225 (60)
DT Utility
FS APPLICATION
LN.CNT 1548
INCL INCLM: 514/012.000
INCLS: 536/023.200; 530/350.000; 435/226.000
NCL NCLM: 514/012.000
NCLS: 536/023.200; 530/350.000; 435/226.000
IC [7]
ICM: A61K038-17
ICS: C07H021-04; C12N009-64
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 76 OF 99 USPATFULL on STN
AN 2002:168258 USPATFULL
TI .alpha.-sulfonylamino hydroxamic acid inhibitors of matrix
metalloproteinases for the treatment of peripheral or central nervous
system disorders
IN Sahagan, Barbara G., Mystic, CT, United States
Villalobos, Anabella, Niantic, CT, United States
PA Pfizer Inc, New York, NY, United States (U.S. corporation)
PI US 6417229 B1 20020709
AI US 2000-671435 20000927 (9)
PRAI US 1999-157083P 19991001 (60)
DT Utility
FS GRANTED

LN.CNT 1623
INCL INCLM: 514/530.000
INCLS: 514/330.000; 514/210.000; 514/562.000; 514/329.000; 514/459.000;
514/248.000; 514/408.000; 514/231.200; 514/415.000
NCL NCLM: 514/530.000
NCLS: 514/210.170; 514/231.200; 514/248.000; 514/255.010; 514/329.000;
514/330.000; 514/408.000; 514/415.000; 514/459.000; 514/562.000
IC [7]
ICM: A61K031-215
ICS: A61K031-445; A61K031-395; A61K031-295; A61K031-405
EXF 514/530; 514/330; 514/210; 514/562; 514/329; 514/459; 514/248; 514/408;
514/231.2; 514/415
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 77 OF 99 USPATFULL on STN
AN 2002:119846 USPATFULL
TI Human G-protein Chemokine receptor (CCR5) HDGNR10
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Roschke, Viktor, Rockville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002061834 A1 20020523
AI US 2001-779880 A1 20010209 (9)
PRAI US 2000-181258P 20000209 (60)
US 2000-187999P 20000309 (60)
US 2000-234336P 20000922 (60)
DT Utility
FS APPLICATION
LN.CNT 18667
INCL INCLM: 514/001.000
INCLS: 530/350.000; 536/023.500; 435/325.000; 435/320.100; 435/069.100
NCL NCLM: 514/001.000
NCLS: 530/350.000; 536/023.500; 435/325.000; 435/320.100; 435/069.100
IC [7]
ICM: A61K031-00
ICS: C07H021-04; C07K014-705; C12N005-06; C12P021-02
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 78 OF 99 USPATFULL on STN
AN 2002:112868 USPATFULL
TI COMPOSITIONS AND METHODS USING COMPLEXES OF CALRETICULIN AND ANTIGENIC
MOLECULES
IN GILBOA, ELI, DURHAM, NC, UNITED STATES
NAIR, SMITA K., DURHAM, NC, UNITED STATES
NICCHITTA, CHRISTOPHER V., DURHAM, NC, UNITED STATES
PI US 2002058609 A1 20020516
AI US 1999-261473 A1 19990226 (9)
DT Utility
FS APPLICATION
LN.CNT 2415
INCL INCLM: 514/002.000
INCLS: 530/300.000; 530/350.000
NCL NCLM: 514/002.000
NCLS: 530/300.000; 530/350.000
IC [7]
ICM: A01N037-18
ICS: A61K038-00; A61K039-00; C07K002-00; C07K004-00; C07K005-00;
C07K007-00; C07K014-00; C07K016-00; C07K017-00; C07K001-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 79 OF 99 USPATFULL on STN
AN 2002:92268 USPATFULL
TI Human G-protein Chemokine Receptor HDGNR10
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Roschke, Viktor, Rockville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002048786 A1 20020425
AI US 2001-779879 A1 20010209 (9)
PRAI US 2000-181258P 20000209 (60)
US 2000-187999P 20000309 (60)
US 2000-234336P 20000922 (60)
DT Utility
FS APPLICATION
LN.CNT 17969
INCL INCLM: 435/069.100

NCL INCLS: 536/023.500; 424/130.100; 514/012.000; 435/007.200; 435/325.000
NCLM: 435/069.100
IC NCLS: 536/023.500; 424/130.100; 514/012.000; 435/007.200; 435/325.000
[7]
ICM: G01N033-53
ICS: G01N033-567; A61K038-00; C07H021-04; C12P021-06; A61K039-395;
C12N005-02; C12N005-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 80 OF 99 USPATFULL on STN
AN 2002:57571 USPATFULL
TI Humanized antibodies that bind to the antigen bound by antibody NR-LU-13
IN Graves, Scott S., Monroe, WA, United States
Reno, John M., Brier, WA, United States
Mallett, Robert W., Everett, WA, United States
Hylarides, Mark D., Stanwood, WA, United States
Searle, Stephen M. J., Cambridge, UNITED KINGDOM
Henry, Andrew H., Ely, UNITED KINGDOM
Pedersen, Jan T., Bronshoj, DENMARK
Rees, Anthony R., St. Chaptes, UNITED KINGDOM
PA NeoRx Corporation, Seattle, WA, United States (U.S. corporation)
PI US 6358710 B1 20020319
AI US 1997-871488 19970609 (8)
RLI Continuation-in-part of Ser. No. US 1996-660362, filed on 7 Jun 1996,
now abandoned
DT Utility
FS GRANTED
LN.CNT 2463
INCL INCLM: 435/070.100
INCLS: 435/325.000; 435/330.000; 530/387.100; 424/130.100; 436/547.000
NCL NCLM: 435/070.100
NCLS: 424/130.100; 435/325.000; 435/330.000; 436/547.000; 530/387.100
IC [7]
ICM: C12P021-04
EXF 424/130.1; 424/133.1; 424/134.1; 424/138.1; 424/139.1; 424/141.1;
424/142.1; 424/174.1; 435/4; 435/325; 435/358; 435/330; 435/70.1;
436/547; 530/387.1; 530/387.3
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 81 OF 99 USPATFULL on STN
AN 2002:14093 USPATFULL
TI Rodent models of human amyloidoses
IN Snow, Alan D., Seattle, WA, United States
PA University of Washington, Seattle, WA, United States (U.S. corporation)
PI US 6340783 B1 20020122
AI US 1996-723661 19961003 (8)
RLI Division of Ser. No. US 1995-461216, filed on 5 Jun 1995, now patented,
Pat. No. US 5958883 Continuation of Ser. No. US 1992-969734, filed on 23
Oct 1992, now abandoned Continuation-in-part of Ser. No. US 1992-950417,
filed on 23 Sep 1992, now abandoned
DT Utility
FS GRANTED
LN.CNT 4350
INCL INCLM: 800/012.000
INCLS: 514/008.000; 514/012.000; 435/040.500; 435/040.520
NCL NCLM: 800/012.000
NCLS: 435/040.500; 435/040.520; 514/008.000; 514/012.000
IC [7]
ICM: A01K067-00
ICS: A61K038-00; A61K001-30; G01N001-30; G01N038-48
EXF 424/9.1; 424/9.2; 435/7.8; 435/40.5; 435/40.52; 514/56; 514/8; 514/12;
800/12; 800/3
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 82 OF 99 USPATFULL on STN
AN 2002:8237 USPATFULL
TI 27960, a novel ubiquitin conjugating enzyme family member and uses
therefor
IN Meyers, Rachel A., Newton, MA, UNITED STATES
Tsai, Fong-Ying, Newton, MA, UNITED STATES
PI US 2002004236 A1 20020110
AI US 2001-842528 A1 20010425 (9)
PRAI US 2000-199500P 20000425 (60)
DT Utility
FS APPLICATION
LN.CNT 4951

INCL INCLM: 435/226.000
INCLS: 435/069.100; 435/007.230; 435/325.000; 536/023.200; 514/007.000;
514/044.000; 435/006.000
NCL NCLM: 435/226.000
NCLS: 435/069.100; 435/007.230; 435/325.000; 536/023.200; 514/007.000;
514/044.000; 435/006.000
IC [7]
ICM: C12Q001-68
ICS: A61K038-16; G01N033-574; C07H021-04; C12N009-64; C12P021-02;
A61K048-00; C12N005-06

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 83 OF 99 USPATFULL on STN
AN 2002:3852 USPATFULL
TI Human cytokines
IN Bandman, Olga, Mountain View, CA, UNITED STATES
Hawkins, Phillip R., Mountain View, CA, UNITED STATES
Murry, Lynn E., Portola Valley, CA, UNITED STATES
Goli, Surya K., Sunnyvale, CA, UNITED STATES
PA Incyte Pharmaceuticals, Inc. (U.S. corporation)
PI US 2002001827 A1 20020103
AI US 2001-782142 A1 20010212 (9)
RLI Division of Ser. No. US 1997-792013, filed on 31 Jan 1997, GRANTED, Pat.
No. US 6204021
DT Utility
FS APPLICATION
LN.CNT 2255
INCL INCLM: 435/069.500
INCLS: 435/006.000; 530/351.000; 536/023.500; 435/007.920; 435/070.210
NCL NCLM: 435/069.500
NCLS: 435/006.000; 530/351.000; 536/023.500; 435/007.920; 435/070.210
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; C12P021-02; C07K014-52

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 84 OF 99 USPATFULL on STN
AN 2001:237475 USPATFULL
TI TRANSPLANTATION OF NEURAL CELLS FOR THE TREATMENT OF CHRONIC PAIN OR
SPASTICITY
IN DINSMORE, JONATHAN, BROOKLINE, MA, United States
SIEGAN, JULIE, BOSTON, MA, United States
PI US 2001055587 A1 20011227
US 6444205 B2 20020903
AI US 1998-163684 A1 19980930 (9)
DT Utility
FS APPLICATION
LN.CNT 1775
INCL INCLM: 424/093.700
INCLS: 424/423.000; 435/368.000
NCL NCLM: 424/093.700
IC [7]
ICM: A01N063-00
ICS: A01N065-00; C12N005-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 85 OF 99 USPATFULL on STN
AN 2001:185549 USPATFULL
TI Infection of human neural xenografts
IN Epstein, Leon G., 80 Council Rock Ave., Rochester, NY, United States
14610
Del Cerro, Manuel, 13 Tall Acres Dr., Pittsford, NY, United States
14534
Blumberg, Benjamin M., 32 Calumet St., Rochester, NY, United States
14610
PI US 6307122 B1 20011023
AI US 1992-965901 19921023 (7)
RLI Continuation-in-part of Ser. No. US 1991-786449, filed on 1 Nov 1991
DT Utility
FS GRANTED
LN.CNT 829
INCL INCLM: 800/011.000
INCLS: 800/003.000; 800/018.000; 424/009.000; 424/093.100
NCL NCLM: 800/011.000
NCLS: 424/093.100; 800/003.000; 800/018.000
IC [7]

ICM: A01N063-00
EXF 424/9; 424/93; 424/570; 424/571; 424/520; 424/582; 424/578; 800/2;
800/DIG.2; 800/DIG.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 86 OF 99 USPATFULL on STN
AN 2001:163053 USPATFULL
TI ***Porcine*** neural cells and their use in treatment of
neurological deficits due to neurodegenerative diseases
IN Isacson, Ole, Cambridge, MA, United States
Dinsmore, Jonathan, Brookline, MA, United States
PA The McLean Hospital Corporation, Belmont, MA, United States (U.S.
corporation)
Diacrin, Inc., Charlestown, MA, United States (U.S. corporation)
PI US 6294383 B1 20010925
AI US 1995-424851 19950419 (8)
RLI Continuation-in-part of Ser. No. US 1994-336856, filed on 8 Nov 1994,
now abandoned
DT Utility
FS GRANTED
LN.CNT 4123
INCL INCLM: 435/379.000
INCLS: 435/325.000
NCL NCLM: 435/379.000
NCLS: 435/325.000
IC [7]
ICM: C12N005-00
ICS: C12N005-02
EXF 435/240.1; 435/240.2; 435/325; 435/379
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 87 OF 99 USPATFULL on STN
AN 2001:136181 USPATFULL
TI ***Porcine*** neural cells and their use in treatment of
neurological deficits due to neurodegenerative diseases
IN Fraser, Thomas, Newton, MA, United States
Dinsmore, Jonathan, Brookline, MA, United States
PA Diacrin, Inc., Charlestown, MA, United States (U.S. corporation)
PI US 6277372 B1 20010821
AI US 1995-424855 19950419 (8)
RLI Continuation-in-part of Ser. No. US 1994-336856, filed on 8 Nov 1994,
now abandoned
DT Utility
FS GRANTED
LN.CNT 4112
INCL INCLM: 424/093.700
INCLS: 424/093.100; 435/325.000
NCL NCLM: 424/093.700
NCLS: 424/093.100; 435/325.000
IC [7]
ICM: A01N063-00
ICS: C12N005-02; C12N005-06
EXF 435/325; 424/93.1; 424/93.7
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 88 OF 99 USPATFULL on STN
AN 2001:107439 USPATFULL
TI ***Porcine*** neural cells and their use in treatment of
neurological deficits due to neurodegenerative diseases
IN Isacson, Ole, Cambridge, MA, United States
Dinsmore, Jonathan, Brookline, MA, United States
PA Diacrin, Inc., Charlestown, MA, United States (U.S. corporation)
PI US 6258353 B1 20010710
AI US 1995-554779 19951107 (8)
RLI Continuation-in-part of Ser. No. US 1995-424851, filed on 19 Apr 1995
Continuation-in-part of Ser. No. US 1994-336856, filed on 8 Nov 1994,
now abandoned
DT Utility
FS GRANTED
LN.CNT 5157
INCL INCLM: 424/093.100
INCLS: 424/093.700; 424/130.100; 424/143.100; 424/809.000; 435/325.000;
435/368.000
NCL NCLM: 424/093.100
NCLS: 424/093.700; 424/130.100; 424/143.100; 424/809.000; 435/325.000;
435/368.000

IC [7]
ICM: A01N003-00
ICS: C12N015-85; C12N015-86; A61K039-395
EXF 424/93.7; 424/93.1; 424/130.1; 424/143.1; 424/809; 435/325; 435/368
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 89 OF 99 USPATFULL on STN
AN 2001:40268 USPATFULL
TI ***Porcine*** cortical cells and their use in treatment of
neurological deficits due to neurodegenerative diseases
IN Dinsmore, Jonathan, Brookline, MA, United States
PA Diacrin, Inc., Charlestown, MA, United States (U.S. corporation)
PI US 6204053 B1 20010320
AI US 1995-424856 19950419 (8)
RLI Continuation-in-part of Ser. No. US 1994-336856, filed on 8 Nov 1994,
now abandoned
DT Utility
FS Granted
LN.CNT 3891
INCL INCLM: 435/325.000
INCLS: 424/093.700; 435/374.000
NCL NCLM: 435/325.000
NCLS: 424/093.700; 435/374.000
IC [7]
ICM: C12N005-00
EXF 435/240.2; 435/325; 435/374; 424/93.7
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 90 OF 99 USPATFULL on STN
AN 2001:40236 USPATFULL
TI DNA encoding a cytokine
IN Bandman, Olga, Mountain View, CA, United States
Hawkins, Phillip R., Mountain View, CA, United States
Murry, Lynn E., Portola Valley, CA, United States
Goli, Surya K., Sunnyvale, CA, United States
PA Incyte Genomics, Inc., Palo Alto, CA, United States (U.S. corporation)
PI US 6204021 B1 20010320
AI US 1997-792013 19970131 (8)
DT Utility
FS Granted
LN.CNT 2010
INCL INCLM: 435/069.500
INCLS: 435/069.100; 435/252.300; 435/320.100; 435/006.000; 536/023.500;
536/024.300
NCL NCLM: 435/069.500
NCLS: 435/006.000; 435/069.100; 435/252.300; 435/320.100; 536/023.500;
536/024.300
IC [7]
ICM: C12N015-00
EXF 536/23.5; 536/24.3; 435/69.5; 435/320.1; 435/252.3; 435/6
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 91 OF 99 USPATFULL on STN
AN 2001:25919 USPATFULL
TI Compositions and methods for the treatment of Alzheimer's disease,
central nervous system injury, and inflammatory diseases
IN Landreth, Gary, Shaker Heights, OH, United States
Combs, Colin, University Heights, OH, United States
Silver, Jerry, Bay Village, OH, United States
Fitch, Michael T., S. Euclid, OH, United States
PA Case Western Reserve University, Cleveland, OH, United States (U.S.
corporation)
PI US 6191154 B1 20010220
AI US 1998-200700 19981127 (9)
DT Utility
FS Granted
LN.CNT 3048
INCL INCLM: 514/369.000
INCLS: 365/372.000; 365/367.000
NCL NCLM: 514/369.000
NCLS: 514/365.000; 514/367.000; 514/372.000
IC [7]
ICM: A61K031-425
EXF 514/367; 514/369-372; 514/365
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 92 OF 99 USPATFULL on STN
AN 2000:146162 USPATFULL
TI Isolated and modified ***porcine*** cerebral cortical cells
IN Dinsmore, Jonathan, Brookline, MA, United States
PA Diacrin, Inc., Charlestown, MA, United States (U.S. corporation)
PI US 6140116 20001031
AI US 1995-551820 19951107 (8)
RLI Continuation-in-part of Ser. No. US 1995-424856, filed on 19 Apr 1995
which is a continuation-in-part of Ser. No. US 1995-336856, filed on 8
Nov 1995, now abandoned
DT Utility
FS Granted
LN.CNT 5001
INCL INCLM: 435/325.000
INCLS: 435/374.000; 424/093.700
NCL NCLM: 435/325.000
NCLS: 424/093.700; 435/374.000
IC [7]
ICM: C12N005-00
EXF 435/325; 435/374; 435/93.7
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 93 OF 99 USPATFULL on STN
AN 2000:77196 USPATFULL
TI ShK toxin compositions and methods of use
IN Kem, William R., Gainesville, FL, United States
Pennington, Michael W., Cherry Hill, NJ, United States
Norton, Raymond S., Ivanhoe, Australia
Chandy, K. George, Laguna Beach, CA, United States
Kalman, Katalin, Irvine, CA, United States
PA The University of Florida, Gainesville, FL, United States (U.S.
corporation)
Bachem Bioscience, Ing., King of Prussia, PA, United States (U.S.
corporation)
Biomolecular Research Institute, Parkville, Australia (non-U.S.
corporation)
Regents of the University of California, Oakland, CA, United States
(U.S. corporation)
PI US 6077680 20000620
AI US 1997-980858 19971126 (8)
PRAI US 1996-59126P 19961127 (60)
DT Utility
FS Granted
LN.CNT 5831
INCL INCLM: 435/007.240
INCLS: 514/012.000; 514/009.000; 514/002.000; 424/185.100; 530/300.000;
530/324.000; 530/855.000
NCL NCLM: 435/007.240
NCLS: 424/185.100; 514/002.000; 514/009.000; 514/012.000; 530/300.000;
530/324.000; 530/855.000
IC [7]
ICM: G01N033-566
ICS: A61K038-17; C07K014-435; A01N037-20
EXF 514/12; 514/2; 514/9; 530/300; 530/324; 530/855; 424/185.1; 435/7.24
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 94 OF 99 USPATFULL on STN
AN 2000:15517 USPATFULL
TI Regulatory genetic DNA that regulates the Class II transactivator
(CIITA)
IN Ting, Jenny Pan-Yun, Chapel Hill, NC, United States
Piskurich, Janet, Chapel Hill, NC, United States
PA University of North Carolina at Chapel Hill, Chapel Hill, NC, United
States (U.S. corporation)
PI US 6022741 20000208
AI US 1997-816617 19970313 (8)
DT Utility
FS Granted
LN.CNT 1420
INCL INCLM: 435/366.000
INCLS: 435/243.000; 435/320.100; 435/325.000; 435/410.000; 536/023.100;
536/024.100
NCL NCLM: 435/366.000
NCLS: 435/243.000; 435/320.100; 435/325.000; 435/410.000; 536/023.100;
536/024.100
IC [6]

ICM: C12N005-08
ICS: C12N001-00; C12N005-10; C12N015-11
EXF 536/24.1; 536/23.1; 435/320.1; 435/325; 435/410; 435/366; 435/243
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 95 OF 99 USPATFULL on STN
AN 1999:117454 USPATFULL
TI Animal models of human amyloidoses
IN Snow, Alan D., Seattle, WA, United States
PA Board of Regents of the University of Washington Office of Technology,
Seattle, WA, United States (U.S. corporation)
PI US 5958883 19990928
AI US 1995-461216 19950605 (8)
RLI Continuation of Ser. No. US 1992-969734, filed on 23 Oct 1992, now
abandoned which is a continuation-in-part of Ser. No. US 1992-950417,
filed on 23 Sep 1992, now abandoned
DT Utility
FS Granted
LN.CNT 4323
INCL INCLM: 514/016.000
INCLS: 514/017.000; 530/328.000; 530/329.000
NCL NCLM: 514/016.000
NCLS: 514/017.000; 530/328.000; 530/329.000
IC [6]
ICM: A61K038-08
ICS: C07K007-06
EXF 514/16; 514/17; 530/300; 530/328; 530/329
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 96 OF 99 USPATFULL on STN
AN 1999:15676 USPATFULL
TI Inhibition of phospholipase A.sub.2 to reduce neuronal cell death
IN Rydel, Russell E., Belmont, CA, United States
Dappen, Michael S., San Bruno, CA, United States
PA Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 5866318 19990202
AI US 1995-476463 19950607 (8)
DT Utility
FS Granted
LN.CNT 1425
INCL INCLM: 435/004.000
INCLS: 435/006.000; 435/325.000; 435/375.000; 435/377.000
NCL NCLM: 435/004.000
NCLS: 435/006.000; 435/325.000; 435/375.000; 435/377.000
IC [6]
ICM: C12Q001-00
ICS: C12Q001-68; C12N005-06
EXF 435/29; 435/240.2; 435/69.1; 435/4; 435/6; 435/7.21; 435/3.25; 435/3.75;
435/3.77; 514/603
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 97 OF 99 USPATFULL on STN
AN 1998:134839 USPATFULL
TI Method of producing proteins using mammalian lung cell lines
IN Mather, Jennie P., Millbrae, CA, United States
Roberts, Penelope E., Millbrae, CA, United States
PA Genentech, Inc., South San Francisco, CA, United States (U.S.
corporation)
PI US 5830685 19981103
WO 9112317 19910822
AI US 1992-910260 19920716 (7)
WO 1991-US878 19910208
19920716 PCT 371 date
19920716 PCT 102(e) date
RLI Continuation-in-part of Ser. No. US 1990-479130, filed on 9 Feb 1990,
now abandoned
DT Utility
FS Granted
LN.CNT 1207
INCL INCLM: 435/069.100
INCLS: 435/070.100; 435/070.300; 435/325.000; 435/408.000; 435/069.400;
530/350.000; 530/399.000; 530/412.000
NCL NCLM: 435/069.100
NCLS: 435/069.400; 435/070.100; 435/070.300; 435/325.000; 435/366.000;
435/408.000; 530/350.000; 530/399.000; 530/412.000

IC [6]
ICM: C12N015-63
ICS: C12N021-00; C12N005-06; C07K001-00
EXF 435/69.1; 435/240.2; 435/320.1; 435/172.1; 435/172.2; 435/172.3;
435/240.1; 435/69.4; 435/325; 435/366; 435/408; 435/70.1; 435/70.3;
536/23.1; 536/23.4; 536/23.5; 536/23.51; 530/350; 530/398; 530/399

L9 ANSWER 98 OF 99 USPATFULL on STN
AN 1998:4424 USPATFULL
TI Identification of phospholipase A2 inhibitors in A.beta.
peptide-mediated neurodegenerative disease
IN Rydel, Russell E., Belmont, CA, United States
Dappen, Michael S., San Bruno, CA, United States
PA Athena Neurosciences, Inc., San Francisco, CA, United States (U.S.
corporation)

PI US 5707821 19980113
AI US 1995-476464 19950607 (8)
DT Utility
FS Granted

LN.CNT 1580

INCL INCLM: 435/018.000
INCLS: 435/004.000; 514/012.000

NCL NCLM: 435/018.000
NCLS: 435/004.000; 514/012.000

IC [6]
ICM: C12Q001-34
ICS: A61K000-00

EXF 514/12; 435/18; 435/4

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 99 OF 99 USPATFULL on STN
AN 94:99840 USPATFULL
TI Method of isolating lung cell line
IN Mather, Jennie P., Millbrae, CA, United States
Roberts, Penelope E., Millbrae, CA, United States
PA Genentech, Inc., S. San Francisco, CA, United States (U.S. corporation)
PI US 5364785 19941115
AI US 1993-60466 19930511 (8)
RLI Continuation of Ser. No. US 1992-919994, filed on 27 Jul 1992, now
abandoned which is a continuation of Ser. No. US 1990-479130, filed on 9
Feb 1990, now abandoned

DT Utility
FS Granted

LN.CNT 798

INCL INCLM: 435/240.200
INCLS: 435/004.000; 435/006.000; 435/029.000; 435/032.000; 435/172.100;
435/172.200; 435/172.300; 435/240.000; 435/031.000; 435/070.100

NCL NCLM: 435/378.000
NCLS: 435/004.000; 435/006.000; 435/029.000; 435/032.000; 435/070.100;
435/391.000

IC [5]
ICM: C12N005-00
ICS: C12N015-00; C12P021-02; C12Q001-00

EXF 435/6; 435/29; 435/32; 435/172.1; 435/172.2; 435/172.3; 435/240.31;
435/4; 435/70.1; 435/948; 435/240.2

STN INTERNATIONAL LOGOFF AT 12:28:53 ON 24 AUG 2004